R&S[®] Puls Sequencer PC Software R&S[®] Pulse Sequencer Digital Software Open Source Acknowledgment









This document is valid for the following Rohde & Schwarz instruments:

• R&S[®] Pulse Sequencer Software

© 2024 Rohde & Schwarz GmbH & Co. KG Mühldorfstr. 15, 81671 München, Germany Phone: +49 89 41 29 - 0 Fax: +49 89 41 29 12 164 Email: info@rohde-schwarz.com Internet: www.rohde-schwarz.com Subject to change – Data without tolerance limits is not binding.

 $R\&S^{\circ}$ is a registered trademark of Rohde & Schwarz GmbH & Co. KG. Trade names are trademarks of their owners.

1414.7319.00 | Version 5.00 | R&S® Puls Sequencer PC Software

Contents

1	Introduction	5
2	Software packages	6
3	Verbatim license texts	8
4	Copyrights	. 16
	Annex	17
Α	Third Party Attributions used by Qt 5.15.16	. 17

1 Introduction

This product uses a number of open source software packages which are listed in the section "Software packages" on page 6.

The open source software is provided free of charge. You are entitled to use the open source software in accordance with the respective license conditions as provided in the following chapters.

Rohde & Schwarz would like to thank the open source community for their valuable contribution to our products.

1.1 Disclaimer

The open source software is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PUR-POSE. The respective licenses may contain more details.

1.2 How to obtain the source code

The software included in this product may contain copyrighted software that is licensed under a license requiring us to provide the source code of that software, such as the GPL or LGPL. You may obtain the complete corresponding source code for such copyrighted software from us for an unlimited period of time and at no charge. In this case, please contact:

Rohde & Schwarz GmbH & Co. KG

Muehldorfstr. 15, 81671 Muenchen, Germany

Phone: +49 89 41 29 - 12345

Internet: www.rohde-schwarz.com/support

This offer is valid to anyone in receipt of this information.

2 Software packages

The software contained in this product makes use of the following open source software packages.

Package	Version	License
Code from the FreeBSD Project	unspecific	BSD 3-clause "New" or "Revised" License
Code from the LLVM Compiler Infrastructure	unspecific	The University of Illinois - NCSA Open Source License
double-conver- sion (V8 project)	unspecific	BSD 3-clause "New" or "Revised" License
Expat XML Parser Toolkit	2.2.8	MIT License
gdal	1.11.1	MIT License
Google Glog log- ging library for C ++	0.3.4	BSD 3-clause "New" or "Revised" License
Google Protobuf protocol buffers library	3.5.2	BSD 3-clause "New" or "Revised" License
MD4 (RFC 1320) Message-Digest Algorithm	unspecific	MD4 license
MD5 (RFC 1321) Message-Digest Algorithm	unspecific	RSA Message-Digest License
muParser	2.2.5	MIT License
OpenSSL crypto- graphic library	1.1.1c	OpenSSL License
PCRE library	8.43	BSD 3-clause "New" or "Revised" License
POCO C++ libra- ries	1.9.4 & 1.10.0	Boost Software License 1.0
Public Domain JSON Parser for C	unspecific	The Unlicense
SQLite	3.29.0	SQLITE Copyright Notice
Zlib compression library	1.2.11	zlib License

LLVM Compiler is developed by:

LLVM Team

University of Illinois at Urbana-Champaign

http://llvm.org

MD4 (RFC 1320) Message-Digest Algorithm is derived from the RSA Data Security, Inc. MD4 Message-Digest Algorithm

MD5 (RFC 1321) Message-Digest Algorithm is derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm

Developed by the OpenSSL Project for use in the OpenSSL Toolkit (`http:// www.openssl.org/`) includes cryptographic software written by Eric Young (`eay@cryptsoft.com`) and software written by Tim Hudson (`tjh@cryptsoft.com`).

3 Verbatim license texts

3.1 BSD 3-clause "New" or "Revised" License

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBU-TORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FIT-NESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUP-TION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHER-WISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3.2 Boost Software License 1.0

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIA-BILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEAL-INGS IN THE SOFTWARE.

3.3 MD4 license

MD4 (RFC-1320) message digest.

Modified from MD5 code 〈 by Andrey Panin pazke@donpac.ru 〉

Written by Solar Designer \langle solar@openwall.com \rangle in 2001, and placed in the public domain. There's absolutely no warranty.

3.4 MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONIN-FRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

3.5 The University of Illinois - NCSA Open Source License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge,

publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.

- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.

- Neither the names of "Name of Development Group, Name of Institution", nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONIN-FRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

3.6 OpenSSL License

OpenSSL License

Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.

 Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)" THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICU-LAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEM-PLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License

Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com). The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are aheared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

"This product includes cryptographic software written by Eric Young (eay@crypt-soft.com)"

The word 'cryptographic' can be left out if the rouines from the library being used are not cryptographic related :-).

4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICU-LAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CON-TRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

3.7 RSA Message-Digest License

All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

3.8 SQLITE Copyright Notice

SQLite Copyright

All of the code and documentation in SQLite has been dedicated to the public domain by the authors. All code authors, and representatives of the companies they work for, have signed affidavits dedicating their contributions to the public domain and originals of those signed affidavits are stored in a firesafe at the main offices of Hwaci. Anyone is free to copy, modify, publish, use, compile, sell, or distribute the original SQLite code, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

The previous paragraph applies to the deliverable code and documentation in SQLite those parts of the SQLite library that you actually bundle and ship with a larger application. Some scripts used as part of the build process (for example the "configure" scripts generated by autoconf) might fall under other open-source licenses. Nothing from these build scripts ever reaches the final deliverable SQLite library, however, and so the licenses associated with those scripts should not be a factor in assessing your rights to copy and use the SQLite library.

All of the deliverable code in SQLite has been written from scratch. No code has been taken from other projects or from the open internet. Every line of code can be traced back to its original author, and all of those authors have public domain dedications on file. So the SQLite code base is clean and is uncontaminated with licensed code from other projects.

Obtaining An License To Use SQLite

Even though SQLite is in the public domain and does not require a license, some users want to obtain a license anyway. Some reasons for obtaining a license include:

- Your company desires warranty of title and indemnity against claims of copyright infringement.

- You are using SQLite in a jurisdiction that does not recognize the public domain.

- You are using SQLite in a jurisdiction that does not recognize the right of an author to dedicate their work to the public domain.

- You want to hold a tangible legal document as evidence that you have the legal right to use and distribute SQLite.

- Your legal department tells you that you have to purchase a license.

If you feel like you really need to purchase a license for SQLite, Hwaci, the company that employs the architect and principal developers of SQLite, will sell you one. All proceeds from the sale of SQLite licenses are used to fund further improvements to SQLite.

Contributed Code

In order to keep SQLite completely free and unencumbered by copyright, all new contributors to the SQLite code base are asked to dedicate their contributions to the public domain. If you want to send a patch or enhancement for possible inclusion in the SQLite source tree, please accompany the patch with the following statement:

The author or authors of this code dedicate any and all copyright interest in this code to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this code under copyright law.

We are not able to accept patches or changes to SQLite that are not accompanied by a statement such as the above. In addition, if you make changes or enhancements as an employee, then a simple statement such as the above is insufficient. You must also send by surface mail a copyright release signed by a company officer. A signed original of the copyright release should be mailed to:

Hwaci

6200 Maple Cove Lane

Charlotte, NC 28269

USA

3.9 The Unlicense

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and

successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONIN-FRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CON-TRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

For more information, please refer to http://unlicense.org/

3.10 zlib License

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

4 Copyrights

The following table lists copyright notices for open source software packages (or parts of such software packages).

Package	Version	Copyright
Code from the FreeBSD Project	unspecific	Copyright (c) 1983, 1993 The Regents of the University of Califor- nia.
Code from the LLVM Compiler Infrastructure	unspecific	Copyright (c) 2007-2012 University of Illinois at Urbana-Champaign.
double-conver- sion (V8 project)	unspecific	Copyright 2010 the V8 project authors.
Expat XML Parser Toolkit	2.2.8	Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper Copyright (c) 2001-2019 Expat maintainers.
gdal	1.11.1	Copyright (C) 2002 Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
Google Glog log- ging library for C ++	0.3.4	Copyright [©] 1999, Google Inc.
Google Protobuf protocol buffers library	3.5.2	Copyright [©] 2008, Google Inc.
MD4 (RFC 1320) Message-Digest Algorithm	unspecific	Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991.
MD5 (RFC 1321) Message-Digest Algorithm	unspecific	Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991.
muParser	2.2.5	Copyright (C) 2011 Ingo Berg
OpenSSL crypto- graphic library	1.1.1c	Copyright [©] 1998-2019, The OpenSSL Project.
PCRE library	8.43	Copyright [©] 1997-2019, University of Cambridge.
POCO C++ libra- ries	1.9.4 & 1.10.0	Copyright [©] 2004-2020, Applied Informatics Software Engineering GmbH and other contributors.
Public Domain JSON Parser for C	unspecific	This is free and unencumbered software released into the public domain.
SQLite	3.29.0	The author disclaims copyright to this source code.
Zlib compression library	1.2.11	Copyright [©] 1995-2017, Jean-loup Gailly and Mark Adler.

Annex

Attributions for Ot 5.15.16 Libraries

A Third Party Attributions used by Qt 5.15.16

Overview Component License Assimp - Open Asset Import Librarv BSD 3-Clause "New" or "Revised" License Assimp - Clipper Boost Software License 1.0 Assimp - irrXML zlib License Assimp - Open3DGC MIT License and BSD 2-Clause "Simplified" License Assimp - The OpenDDLParser MIT License Assimp - Poly2Tri Polygon Triangulation Library BSD 3-clause "New" or "Revised" License Assimp - RapidJSON MIT License and BSD 3-Clause "New" or "Revised" License Assimp - Unzip zlib License Assimp - Utf8Cpp Boost Software License 1.0 Assimp - Zip Public Domain Dear ImGui MIT License Dear ImGui - ProggyClean.ttf MIT License Dear ImGui - stb MIT License or Public Domain Native Style for Android Apache License 2.0 ANGLE Library BSD 3-clause "New" or "Revised" License ANGLE: Array Bounds Clamper for WebKit BSD 2-clause "Simplified" License ANGLE: Murmurhash Public Domain ANGLE: Systeminfo BSD 2-clause "Simplified" License ANGLE: trace event BSD 3-clause "New" or "Revised" License Component License ANGLE: Khronos Headers MIT License Efficient Binary-Decimal and Decimal-Binary Conversion Routines for IEEE Doubles BSD 3-clause "New" or "Revised" License Easing Equations by Robert Penner BSD 3-clause "New" or "Revised" License forkfd MIT License FreeBSD strtoll and strtoull BSD 3-clause "New" or "Revised" License Freetype 2 Freetype Project License or GNU General Public License v2.0 only

```
Freetype 2 - zlib zlib License
Freetype 2 - Bitmap
Distribution Format (BDF)
support
MIT License
Freetype 2 - Portable
Compiled Format (PCF)
support
MIT License
HarfBuzz MIT License
HarfBuzz-NG MIT License
IAccessible2 IDL Specification BSD 3-clause "New" or "Revised" License
sRGB color profile icc file International Color Consortium License
LibJPEG-turbo Independent JPEG Group License
LibPNG libpng License and PNG Reference Library version 2
MD4 Public Domain
MD4C MIT License
MD5 Public Domain
PCRE2 BSD 3-clause "New" or "Revised" License
PCRE2 - Stack-less Just-InTime Compiler
BSD 2-clause "Simplified" License
Pixman MIT License
Component License
Secure Hash Algorithms SHA384 and SHA-512
BSD 3-clause "New" or "Revised" License
Secure Hash Algorithm SHA-1 Public Domain
Secure Hash Algorithm SHA-3
- brg_endian
BSD 2-clause "Simplified" License
Secure Hash Algorithm SHA-3
- Keccak
Creative Commons Zero v1.0 Universal
SQLite Public Domain
TinyCBOR MIT License
Vulkan Memory Allocator MIT License
Bitstream Vera Font Bitstream Vera Font License
DejaVu Fonts Bitstream Vera Font License
Wintab API LCS-Telegraphics License
XCB-XInput MIT License
Data Compression Library
(zlib)
zlib License
Text Codecs: Big5, Big5-
HKSCS
BSD 2-clause "Simplified" License
Text Codec: EUC-JP BSD 2-clause "Simplified" License
Text Codec: EUC-KR BSD 2-clause "Simplified" License
Text Codec: ISO 2022-JP
(JIS)
BSD 2-clause "Simplified" License
```

Text Codec: Shift-JIS BSD 2-clause "Simplified" License Text Codec: TSCII BSD 2-clause "Simplified" License Text Codec: GBK BSD 2-clause "Simplified" License The Public Suffix List Mozilla Public License 2.0 QEventDispatcher on macOS BSD 3-clause "New" or "Revised" License Unicode Character Database (UCD) Unicode License Agreement - Data Files and Software (2016)Component License Unicode Common Locale Data Repository (CLDR) Unicode License Agreement - Data Files and Software (2016) libdus-1 headers Academic Free License v2.1, or GNU General Public License v2.0 or later OpenGL Headers MIT License OpenGL ES 2 Headers MIT License Anti-aliasing rasterizer from FreeType 2 Freetype Project License or GNU General Public License v2.0 only Smooth Scaling Algorithm BSD 2-clause "Simplified" License and Imlib2 License WebGradients MIT License X Server helper X11 License and Historical Permission Notice and Disclaimer Adobe Glyph List For New Fonts BSD 3-Clause "New" or "Revised" License Vulkan API Registry MIT License Cocoa Platform Plugin BSD 3-clause "New" or "Revised" License Valgrind BSD 4-clause "Original" or "Old" License Cycle MIT License Linux Performance Events GNU General Public License v2.0 only with Linux Syscall Note BlueZ GNU General Public License v2.0 only (This does not force user code to be GPL'ed. For more info see details.) JavaScriptCore Macro Assembler BSD 2-clause "Simplified" License TIFF Software Distribution (libtiff) libtiff License WebP (libwebp) BSD 3-clause "New" or "Revised" License Clip2Tri Polygon Triangulation Library

MIT License Clipper Polygon Clipping Library Boost Software License 1.0 Component License Earcut Polygon Triangulation Library ISC License geosimplify-js polyline simplification library geosimplify-js License Mapbox GL Native BSD 2-clause "Simplified" License and zlib License CSS Color Parser MIT License cURL Parse Date MIT License Boost Boost Software License 1.0 Earcut ISC License geojson-cpp ISC License geojson-vt-cpp ISC License geometry.hpp ISC License kdbush.hpp ISC License Optional Boost Software License 1.0 polylabel ISC License protozero BSD 2-clause "Simplified" License RapidJSON MIT License shelf-pack-cpp ISC License supercluster.hpp ISC License tao tuple MIT License unique_resource Boost Software License 1.0 variant BSD 3-clause "New" or "Revised" License Vector Tile Library ISC License Wagyu Geometry Processing Library MIT License nunicode MIT License Poly2Tri Polygon Triangulation Library BSD 3-clause "New" or "Revised" License Component License In-app billing service Apache License 2.0 Base64 Decoder Apache License 2.0 Public Key Verification Apache License 2.0 Open Asset Import Library BSD 3-clause "New" or "Revised" Licensee Shadow values from Angular Material MIT License JavaScriptCore GNU Library General Public License v2 or later XSVG Historical Permission Notice and Disclaimer - sell variant Lipi Toolkit MIT License OpenWnn Apache License 2.0 PinyinIME Apache License 2.0

Traditional Chinese IME (tcime) Apache License 2.0 and BSD 3-clause "New" or "Revised" License Wayland Fullscreen Shell Protocol MIT License Wayland Protocol MIT License Wayland IVI Extension Protocol MIT License Wayland Primary Selection Protocol MIT License Wayland Scaler Protocol MIT License Wayland Tablet Protocol MIT License Wayland Viewporter Protocol MIT License Wayland xdg-decoration Protocol MIT License Wayland XDG Output Protocol MIT License Wayland XDG Shell Protocol MIT License Wayland Text Input Protocol HPND License Component License Wayland Linux Dmabuf Unstable V1 Protocol MIT License Wayland EGLStream Controller Protocol MIT License XML Schema W3C Software Notice and Document License (2015-05-13) Licenses Assimp - Open Asset Import Library Copyright Copyright (c) 2006-2018, assimp team License: BSD 3-Clause "New" or "Revised" License Open Asset Import Library (assimp) Copyright (c) 2006-2016, assimp team All rights reserved. Redistribution and use of this software in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of the assimp team, nor the names of its

contributors may be used to endorse or promote products derived from this software without specific prior written permission of the assimp team. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. AN EXCEPTION applies to all files in the ./test/models-nonbsd folder. These are 3d models for testing purposes, from various free sources on the internet. They are - unless otherwise stated - copyright of their respective creators, which may impose additional requirements on the use of their work. For any of these models, see <model-name>.source.txt for more legal information. Contact us if you are a copyright holder and believe that we credited you inproperly or if you don't want your files to appear in the repository. Poly2Tri Copyright (c) 2009-2010, Poly2Tri Contributors http://code.google.com/p/poly2tri/ All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of Poly2Tri nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Assimp - Clipper Copyright

Copyright Angus Johnson 2010-2012 License: Boost Software License 1.0 The Clipper code library, the "Software" (that includes Delphi, C++ & C# source code, accompanying samples and documentation), has been released under the following license, terms and conditions: Boost Software License - Version 1.0 - August 17th, 2003 http://www.boost.org/LICENSE 1 0.txt Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Assimp - irrXML Copyright Copyright (C) 2002-2005 Nikolaus Gebhardt License: zlib License The Clipper code library, the "Software" (that includes Delphi, C++ & C# source code, accompanying samples and documentation), has been released under the following license, terms and conditions: Boost Software License - Version 1.0 - August 17th, 2003 http://www.boost.org/LICENSE 1 0.txt Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT

SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Assimp - Open3DGC Copyright Copyright (c) 2013 Khaled Mammou - Advanced Micro Devices, Inc Copyright (c) 2004 Amir Said (said@ieee.org) & William A. Pearlman (pearlw@ecse.rpi.edu) License: MIT License and BSD 2-Clause "Simplified" License Copyright (c) 2013 Khaled Mammou - Advanced Micro Devices, Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Copyright (c) 2004 Amir Said (said@ieee.org) & William A. Pearlman (pearlw@ecse.rpi.edu) All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER

IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Assimp - The OpenDDL-Parser Copyright Copyright (c) 2014-2015 Kim Kulling License: MIT License The MIT License (MIT) Copyright (c) 2014 Kim Kulling Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Assimp - Poly2Tri Polygon Triangulation Library Copyright Poly2Tri Copyright (c) 2009-2010, Poly2Tri Contributors License: BSD 3-clause "New" or "Revised" License Poly2Tri Copyright (c) 2009-2010, Poly2Tri Contributors http://code.google.com/p/poly2tri/ All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of Poly2Tri nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING

NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Assimp - RapidJSON Copyright Copyright (c) 2006-2013 Alexander Chemeris Copyright (C) 2015 THL A29 Limited Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip License: MIT License and BSD 3-Clause "New" or "Revised" License Tencent is pleased to support the open source community by making RapidJSON available. Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip. All rights reserved. If you have downloaded a copy of the RapidJSON binary from Tencent, please note that the RapidJSON binary is licensed under the MIT License. If you have downloaded a copy of the RapidJSON source code from Tencent, please note that RapidJSON source code is licensed under the MIT License, except for the third-party components listed below which are subject to different license terms. Your integration of RapidJSON into your own projects may require compliance with the MIT License, as well as the other licenses applicable to the third-party components included within RapidJSON. To avoid the problematic JSON license in your own projects, it's sufficient to exclude the bin/jsonchecker/ directory, as it's the only code under the JSON license. A copy of the MIT License is included in this file. Other dependencies and licenses: Open Source Software Licensed Under the BSD License: _____ The msinttypes r29 Copyright (c) 2006-2013 Alexander Chemeris All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS AND CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Open Source Software Licensed Under the JSON License: _____ json.org Copyright (c) 2002 JSON.org All Rights Reserved. JSON checker Copyright (c) 2002 JSON.org All Rights Reserved. Terms of the JSON License: _____ Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. The Software shall be used for Good, not Evil. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Terms of the MIT License: Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Assimp - Unzip Copyright Copyright 1998-2004 Gilles Vollant License: zlib License This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it

freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution. Assimp - Utf8Cpp Copyright Copyright 2006 Nemanja Trifunovic License: Boost Software License 1.0 Copyright 2006 Nemanja Trifunovic Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Assimp - Zip Copyright License: Public Domain This is free and unencumbered software released into the public domain. Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means. In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. For more information, please refer to <http://unlicense.org/> Dear ImGui Copyright Copyright (c) 2014-2018 Omar Cornut License: MIT License The MIT License (MIT) Copyright (c) 2014-2018 Omar Cornut Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Dear ImGui - ProggyClean.ttf Copyright Copyright (c) 2004, 2005 Tristan Grimmer License: MIT License Copyright (c) 2004, 2005 Tristan Grimmer Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Dear ImGui - stb Copyright Copyright (c) 2017 Sean Barrett License: MIT License or Public Domain _____

This software is available under 2 licenses -- choose whichever you prefer.

ALTERNATIVE A - MIT License Copyright (c) 2017 Sean Barrett Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. _____ ALTERNATIVE B - Public Domain (www.unlicense.org) This is free and unencumbered software released into the public domain. Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means. In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. _____ Native Style for Android Copyright Copyright (C) 2005 The Android Open Source Project License: Apache License 2.0 Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and

```
limitations under the License.
ANGLE Library
Copyright
Copyright (C) 2002-2013 The ANGLE Project Authors
License: BSD 3-clause "New" or "Revised" License
// Copyright (C) 2002-2013 The ANGLE Project Authors.
// All rights reserved.
11
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions
// are met:
11
// Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
11
// Redistributions in binary form must reproduce the above
//\ copyright notice, this list of conditions and the following
// disclaimer in the documentation and/or other materials provided
// with the distribution.
11
// Neither the name of TransGaming Inc., Google Inc., 3DLabs Inc.
// Ltd., nor the names of their contributors may be used to endorse
// or promote products derived from this software without specific
// prior written permission.
11
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
// FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
// COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
// INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
// BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
// LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
// CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
// LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN
// ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
// POSSIBILITY OF SUCH DAMAGE.
ANGLE: Array Bounds Clamper for WebKit
Copyright
Copyright (C) 2012 Apple Inc.
License: BSD 2-clause "Simplified" License
Copyright (C) 2012 Apple Inc. All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
```

THIS SOFTWARE IS PROVIDED BY APPLE, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE, INC. OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. ANGLE: Murmurhash Copyright MurmurHash3 was written by Austin Appleby, and is placed in the public domain. The author hereby disclaims copyright to this source code. License: Public Domain ANGLE: Systeminfo Copyright Copyright (C) 2009 Apple Inc. All Rights Reserved. License: BSD 2-clause "Simplified" License Copyright (C) 2009 Apple Inc. All Rights Reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY APPLE INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE INC. OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. ANGLE: trace event Copyright Copyright (c) 2013 The Chromium Authors. License: BSD 3-clause "New" or "Revised" License Copyright 2013 The Chromium Authors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. ANGLE: Khronos Headers

Copyright

Copyright (c) 2007-2017 The Khronos Group Inc. License: MIT License

Copyright (c) 2007-2017 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials. THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE # MATERIALS. Efficient Binary-Decimal and Decimal-Binary Conversion Routines for IEEE Doubles Copyright Copyright 2006-2012, the V8 project authors License: BSD 3-clause "New" or "Revised" License Copyright 2006-2011, the V8 project authors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Easing Equations by Robert Penner Copyright Copyright (c) 2001 Robert Penner License: BSD 3-clause "New" or "Revised" License Copyright (c) 2001 Robert Penner All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of the author nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. forkfd Copyright Copyright (C) 2016 Intel Corporation Copyright (C) 2015 Klarälvdalens Datakonsult AB, a KDAB Group company, info@kdab.com License: MIT License

Copyright (C) 2016 Intel Corporation. Copyright (C) 2015 Klarälvdalens Datakonsult AB, a KDAB Group company, info@kdab.com Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. FreeBSD strtoll and strtoull Copyright Copyright (c) 1992, 1993 The Regents of the University of California. Copyright (c) 2011 The FreeBSD Foundation License: BSD 3-clause "New" or "Revised" License Copyright (c) 1992, 1993 The Regents of the University of California. All rights reserved. Copyright (c) 2011 The FreeBSD Foundation All rights reserved. Portions of this software were developed by David Chisnall under sponsorship from the FreeBSD Foundation. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

SUCH DAMAGE. Freetype 2 Copyright Copyright 2006-2015 by David Turner, Robert Wilhelm, and Werner Lemberg. License: Freetype Project License or GNU General Public License v2.0 only The FreeType 2 font engine is copyrighted work and cannot be used legally without a software license. In order to make this project usable to a vast majority of developers, we distribute it under two mutually exclusive open-source licenses. This means that *you* must choose *one* of the two licenses described below, then obey all its terms and conditions when using FreeType 2 in any of your projects or products. - The FreeType License, found in the file `FTL.TXT', which is similar to the original BSD license *with* an advertising clause that forces you to explicitly cite the FreeType project in your product's documentation. All details are in the license file. This license is suited to products which don't use the GNU General Public License. Note that this license is compatible to the GNU General Public License version 3, but not version 2. - The GNU General Public License version 2, found in `GPLv2.TXT' (any later version can be used also), for programs which already use the GPL. Note that the FTL is incompatible with GPLv2 due to its advertisement clause. The contributed BDF and PCF drivers come with a license similar to that of the X Window System. It is compatible to the above two licenses (see file src/bdf/README and src/pcf/README). The gzip module uses the zlib license (see src/gzip/zlib.h) which too is compatible to the above two licenses. The MD5 checksum support (only used for debugging in development builds) is in the public domain. --- FDL.TXT ---The FreeType Project LICENSE 2006-Jan-27 Copyright 1996-2002, 2006 by David Turner, Robert Wilhelm, and Werner Lemberg Introduction _____ The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType font engine, various tools and contributions which rely on, or relate to, the FreeType Project. This license applies to all files found in such packages, and which do not fall under their own explicit license. The license affects thus the FreeType font engine, the test programs, documentation and makefiles, at the very least. This license was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encourage inclusion and use of free software in commercial and freeware products

alike. As a consequence, its main points are that: o We don't promise that this software works. However, we will be interested in any kind of bug reports. (`as is' distribution) o You can use this software for whatever you want, in parts or full form, without having to pay us. (`royalty-free' usage) o You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the FreeType code. (`credits') We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products. We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project. Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text: Portions of this software are copyright (c) <year> The FreeType Project (www.freetype.org). All rights reserved. Please replace <year> with the value from the FreeType version you actually use. Legal Terms _____ 0. Definitions _____ Throughout this license, the terms `package', `FreeType Project', and `FreeType archive' refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the `FreeType Project', be they named as alpha, beta or final release. 'You' refers to the licensee, or person using the project, where `using' is a generic term including compiling the project's source code as well as linking it to form a `program' or `executable'. This program is referred to as `a program using the FreeType engine'. This license applies to all files distributed in the original FreeType Project, including all source code, binaries and documentation, unless otherwise stated in the file in its original, unmodified form as distributed in the original archive. If you are unsure whether or not a particular file is covered by this license, you must contact us to verify this. The FreeType Project is copyright (C) 1996-2000 by David Turner, Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below. 1. No Warranty _____ THE FREETYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR

37

PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREETYPE PROJECT. 2. Redistribution

This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions: o Redistribution of source code must retain this license file (`FTL.TXT') unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered,

original files must be preserved in all copies of source files.

o Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

3. Advertising

Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission. We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: `FreeType Project', `FreeType Engine', `FreeType library', or `FreeType Distribution'. As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

4. Contacts

There are two mailing lists related to FreeType: o freetype@nongnu.org Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution. If you are looking for support, start in this list if you

haven't found anything to help you in the documentation. o freetype-devel@nongnu.org Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc. Our home page can be found at http://www.freetype.org --- end of FDL.TXT ------ GPLv2.TXT ---GNU GENERAL PUBLIC LICENSE Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. Preamble The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too. When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things. To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it. For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights. We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software. Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations. Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free

program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all. The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

along with the Program.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you". Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does. 1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee. 2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions: a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change. b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.) These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code. 4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program. If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally. NO WARBANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms. To do so, attach the following notices to the program. It is safest

to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found. <one line to give the program's name and a brief idea of what it does.> Copyright (C) <year> <name of author> This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA Also add information on how to contact you by electronic and paper mail. If the program is interactive, make it output a short notice like this when it starts in an interactive mode: Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details. The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program. You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker. <signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License. --- end of GPLv2.TXT ---Freetype 2 - zlib Copyright Copyright (C) 1995-2002 Jean-loup Gailly and Mark Adler License: zlib License Copyright (C) 1995-2002 Jean-loup Gailly and Mark Adler This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it

freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution. Jean-loup Gailly Mark Adler jloup@gzip.org madler@alumni.caltech.edu Freetype 2 - Bitmap Distribution Format (BDF) support Copyright Copyright (C) 2001-2002 by Francesco Zappa Nardelli Copyright 2000 Computing Research Labs, New Mexico State University Copyright 2001-2002, 2011 Francesco Zappa Nardelli License: MIT License Copyright (C) 2001-2002 by Francesco Zappa Nardelli Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. *** Portions of the driver (that is, bdflib.c and bdf.h): Copyright 2000 Computing Research Labs, New Mexico State University Copyright 2001-2002, 2011 Francesco Zappa Nardelli Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE COMPUTING RESEARCH LAB OR NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR

THE USE OR OTHER DEALINGS IN THE SOFTWARE. Freetype 2 - Portable Compiled Format (PCF) support Copyright Copyright (C) 2000 by Francesco Zappa Nardelli License: MIT License Copyright (C) 2000 by Francesco Zappa Nardelli Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. HarfBuzz Copyright Copyright (c) 2008,2010 Nokia Corporation and/or its subsidiary (-ies) Copyright (c) 2006 Behdad Esfahbod Copyright (c) 2005 David Turner Copyright (c) 2004,2007,2008,2009,2010 Red Hat, Inc. Copyright (c) 1998-2004 David Turner and Werner Lemberg License: MIT License HarfBuzz was previously licensed under different licenses. This was changed in January 2008. If you need to relicense your old copies, consult the announcement of the license change on the internet. Other than that, each copy of HarfBuzz is licensed under the COPYING file included with it. The actual license follows: Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

HarfBuzz-NG Copyright Copyright (c) 2010,2011,2012 Google, Inc. Copyright (c) 2012 Mozilla Foundation Copyright (c) 2011 Codethink Limited Copyright (c) 2008,2010 Nokia Corporation and/or its subsidiary(-ies) Copyright (c) 2009 Keith Stribley Copyright (c) 2009 Martin Hosken and SIL International Copyright (c) 2007 Chris Wilson Copyright (c) 2006 Behdad Esfahbod Copyright (c) 2005 David Turner Copyright (c) 2004,2007,2008,2009,2010 Red Hat, Inc. Copyright (c) 1998-2004 David Turner and Werner Lemberg License: MIT License HarfBuzz is licensed under the so-called "Old MIT" license. Details follow. For parts of HarfBuzz that are licensed under different licenses see individual files names COPYING in subdirectories where applicable. Copyright (c) 2010,2011,2012 Google, Inc. Copyright (c) 2012 Mozilla Foundation Copyright (c) 2011 Codethink Limited Copyright (c) 2008,2010 Nokia Corporation and/or its subsidiary(-ies) Copyright (c) 2009 Keith Stribley Copyright (c) 2009 Martin Hosken and SIL International Copyright (c) 2007 Chris Wilson Copyright (c) 2006 Behdad Esfahbod Copyright (c) 2005 David Turner Copyright (c) 2004,2007,2008,2009,2010 Red Hat, Inc. Copyright (c) 1998-2004 David Turner and Werner Lemberg For full copyright notices consult the individual files in the package. Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS. IAccessible2 IDL Specification Copyright Copyright (c) 2000, 2006 Sun Microsystems, Inc. Copyright (c) 2006 IBM Corporation Copyright (c) 2007, 2010, 2012, 2013 Linux Foundation IAccessible2 is a trademark of the Linux Foundation. The IAccessible2 mark may be

used in accordance with the Linux Foundation Trademark Policy to indicate compliance with the IAccessible2 specification. License: BSD 3-clause "New" or "Revised" License Copyright (c) 2013 Linux Foundation All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the Linux Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. This BSD License conforms to the Open Source Initiative "Simplified BSD License" as published at: http://www.opensource.org/licenses/bsd-license.php sRGB color profile icc file Copyright Copyright International Color Consortium, 2015 License: International Color Consortium License For the file sRGB2014.icc: Copyright International Color Consortium, 2015 This profile is made available by the International Color Consortium, and may be copied. distributed, embedded, made, used, and sold without restriction. Altered versions of this profile shall have the original identification and copyright information removed and shall not be misrepresented as the original profile. (original source location: http://www.color.org/srgbprofiles.xalter) LibJPEG-turbo Copyright

```
Copyright (C) 2009-2020 D. R. Commander
Copyright (C) 2011-2016 Siarhei Siamashka
Copyright (C) 2015-2016, 2018 Matthieu Darbois
Copyright (C) 2015 Intel Corporation
Copyright (C) 2015 Google, Inc.
Copyright (C) 2013-2014 MIPS Technologies, Inc.
Copyright (C) 2013 Linaro Limited
Copyright (C) 2009-2011 Nokia Corporation and/or its subsidiary(-ies)
Copyright (C) 2009 Pierre Ossman for Cendio AB
Copyright (C) 1999-2006 MIYASAKA Masaru
Copyright (C) 1991-2016 Thomas G. Lane, Guido Vollbeding
License: Independent JPEG Group License
libjpeg-turbo Licenses
_____
libjpeg-turbo is covered by three compatible BSD-style open source licenses:
- The IJG (Independent JPEG Group) License, which is listed in
[README.ijg] (README.ijg)
This license applies to the libjpeg API library and associated programs
(any code inherited from libjpeg, and any modifications to that code.)
- The Modified (3-clause) BSD License, which is listed below
This license covers the TurboJPEG API library and associated programs, as
well as the build system.
- The [zlib License] (https://opensource.org/licenses/Zlib)
This license is a subset of the other two, and it covers the libjpeg-turbo
SIMD extensions.
Complying with the libjpeg-turbo Licenses
_____
This section provides a roll-up of the libjpeg-turbo licensing terms, to the
best of our understanding.
1. If you are distributing a modified version of the libjpeg-turbo source,
then:
1. You cannot alter or remove any existing copyright or license notices
from the source.
**Origin**
- Clause 1 of the IJG License
- Clause 1 of the Modified BSD License
- Clauses 1 and 3 of the zlib License
2. You must add your own copyright notice to the header of each source
file you modified, so others can tell that you modified that file (if
there is not an existing copyright header in that file, then you can
simply add a notice stating that you modified the file.)
**Origin**
- Clause 1 of the IJG License
- Clause 2 of the zlib License
3. You must include the IJG README file, and you must not alter any of the
copyright or license text in that file.
**Origin**
- Clause 1 of the IJG License
2. If you are distributing only libjpeg-turbo binaries without the source, or
if you are distributing an application that statically links with
```

```
libjpeg-turbo, then:
1. Your product documentation must include a message stating:
This software is based in part on the work of the Independent JPEG
Group.
**Origin**
- Clause 2 of the IJG license
2. If your binary distribution includes or uses the TurboJPEG API, then
your product documentation must include the text of the Modified BSD
License (see below.)
**Origin**
- Clause 2 of the Modified BSD License
3. You cannot use the name of the IJG or The libjpeg-turbo Project or the
contributors thereof in advertising, publicity, etc.
**Origin**
- IJG License
- Clause 3 of the Modified BSD License
4. The IJG and The libjpeg-turbo Project do not warrant libjpeg-turbo to be
free of defects, nor do we accept any liability for undesirable
consequences resulting from your use of the software.
**Origin**
- IJG License
- Modified BSD License
- zlib License
The Modified (3-clause) BSD License
------
Copyright (C)2009-2020 D. R. Commander. All Rights Reserved.
Copyright (C)2015 Viktor Szathmáry. All Rights Reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:
- Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.
- Neither the name of the libjpeg-turbo Project nor the names of its
contributors may be used to endorse or promote products derived from this
software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS",
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.
Why Three Licenses?
_____
```

```
The zlib License could have been used instead of the Modified (3-clause) BSD
License, and since the IJG License effectively subsumes the distribution
conditions of the zlib License, this would have effectively placed
libjpeg-turbo binary distributions under the IJG License. However, the IJG
License specifically refers to the Independent JPEG Group and does not extend
attribution and endorsement protections to other entities. Thus, it was
desirable to choose a license that granted us the same protections for new code
that were granted to the IJG for code derived from their software.
LibPNG
Copyright
Copyright (c) 1998-2018 Glenn Randers-Pehrson
Copyright (c) 2000-2017 Simon-Pierre Cadieux
Copyright (c) 2000-2017 Eric S. Raymond
Copyright (c) 2000-2017 Mans Rullgard
Copyright (c) 2000-2019 Cosmin Truta
Copyright (c) 2000-2017 Gilles Vollant
Copyright (c) 2000-2017 James Yu
Copyright (c) 2000-2017 Mandar Sahastrabuddhe
Copyright (c) 1998-2000 Tom Lane
Copyright (c) 1998-2000 Willem van Schaik
Copyright (c) 1996-1997 Andreas Dilger
Copyright (c) 1996-1997 John Bowler
Copyright (c) 1996-1997 Kevin Bracey
Copyright (c) 1996-1997 Sam Bushell
Copyright (c) 1996-1997 Magnus Holmgren
Copyright (c) 1996-1997 Greg Roelofs
Copyright (c) 1996-1997 Tom Tanner
Copyright (c) 1995-1996 Dave Martindale
Copyright (c) 1995-1996 Paul Schmidt
Copyright (c) 1995-1996 Tim Wegner
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.
License: libpng License and PNG Reference Library version 2
COPYRIGHT NOTICE, DISCLAIMER, and LICENSE
  _____
PNG Reference Library License version 2
_____
* Copyright (c) 1995-2019 The PNG Reference Library Authors.
* Copyright (c) 2018-2019 Cosmin Truta.
* Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson.
* Copyright (c) 1996-1997 Andreas Dilger.
* Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.
The software is supplied "as is", without warranty of any kind,
express or implied, including, without limitation, the warranties
of merchantability, fitness for a particular purpose, title, and
non-infringement. In no event shall the Copyright owners, or
anyone distributing the software, be liable for any damages or
other liability, whether in contract, tort or otherwise, arising
from, out of, or in connection with the software, or the use or
other dealings in the software, even if advised of the possibility
of such damage.
```

Permission is hereby granted to use, copy, modify, and distribute this software, or portions hereof, for any purpose, without fee, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated, but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This Copyright notice may not be removed or altered from any source or altered source distribution. PNG Reference Library License version 1 (for libpng 0.5 through 1.6.35) libpng versions 1.0.7, July 1, 2000, through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors: Simon-Pierre Cadieux Eric S. Raymond Mans Rullgard Cosmin Truta Gilles Vollant James Yu Mandar Sahastrabuddhe Google Inc. Vadim Barkov and with the following additions to the disclaimer: There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user. Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners, and are released under other open source licenses. libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors: Tom Lane Glenn Randers-Pehrson Willem van Schaik libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler Kevin Bracey Sam Bushell Magnus Holmgren Greg Roelofs Tom Tanner Some files in the "scripts" directory have other copyright owners, but are released under this license. libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc. For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals: Andreas Dilger Dave Martindale Guy Eric Schalnat Paul Schmidt Tim Wegner The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage. Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions: 1. The origin of this source code must not be misrepresented. 2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source. 3. This Copyright notice may not be removed or altered from any source or altered source distribution. The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated. MD4 Copvright Written by Alexander Peslyak - better known as Solar Designer <solar@openwall.com> - in 2001, and placed in the public domain. There's absolutely no warranty. License: Public Domain MD4C Copyright Copyright (c) 2016-2020 Martin Mitáš License: MIT License # The MIT License (MIT) Copyright (c) 2016-2019 Martin Mitáš Permission is hereby granted, free of charge, to any person obtaining a

copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. MD.5 Copyright Written by Colin Plumb in 1993, no copyright is claimed. Ian Jackson <ian@chiark.greenend.org.uk>. License: Public Domain PCRE2 Copyright Copyright (c) 1997-2020 University of Cambridge Copyright (c) 2010-2020 Zoltan Herczeg License: BSD 3-clause "New" or "Revised" License PCRE2 LICENCE _____ PCRE2 is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language. Releases 10.00 and above of PCRE2 are distributed under the terms of the "BSD" licence, as specified below, with one exemption for certain binary redistributions. The documentation for PCRE2, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in the public domain. The basic library functions are written in C and are freestanding. Also included in the distribution is a just-in-time compiler that can be used to optimize pattern matching. This is an optional feature that can be omitted when the library is built. THE BASIC LIBRARY FUNCTIONS _____ Written by: Philip Hazel Email local part: ph10 Email domain: cam.ac.uk University of Cambridge Computing Service, Cambridge, England. Copyright (c) 1997-2020 University of Cambridge All rights reserved. PCRE2 JUST-IN-TIME COMPILATION SUPPORT _____ Written by: Zoltan Herczeg Email local part: hzmester

Email domain: freemail.hu Copyright(c) 2010-2020 Zoltan Herczeg All rights reserved. STACK-LESS JUST-IN-TIME COMPILER

Written by: Zoltan Herczeg Email local part: hzmester Email domain: freemail.hu Copyright(c) 2009-2020 Zoltan Herczeg All rights reserved. THE "BSD" LICENCE

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notices, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notices, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the University of Cambridge nor the names of any contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

EXEMPTION FOR BINARY LIBRARY-LIKE PACKAGES

The second condition in the BSD licence (covering binary redistributions) does not apply all the way down a chain of software. If binary package A includes PCRE2, it must respect the condition, but if package B is software that includes package A, the condition is not imposed on package B unless it uses PCRE2 independently. End PCRE2 - Stack-less Just-In-Time Compiler Copyright

Copyright (c) 2009-2020 Zoltan Herczeg Copyright 2013-2013 Tilera Corporation(jiwang@tilera.com) License: BSD 2-clause "Simplified" License Copyright 2013-2013 Tilera Corporation(jiwang@tilera.com). All rights reserved. Copyright Zoltan Herczeg (hzmester@freemail.hu). All rights reserved. Redistribution and use in source and binary forms, with or without modification, are

permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER(S) AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER(S) OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Pixman Copyright Copyright (c) 2009 Nokia Corporation License: MIT License Copyright (c) 2009 Nokia Corporation Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Secure Hash Algorithms SHA-384 and SHA-512 Copyright Copyright (c) 2011 IETF Trust and the persons identified as authors of the code. License: BSD 3-clause "New" or "Revised" License Copyright (c) 2011 IETF Trust and the persons identified as authors of the code. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. - Neither the name of Internet Society, IETF or IETF Trust, nor the names of specific contributors, may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Secure Hash Algorithm SHA-1 Copyright Copyright (C) Dominik Reichl <dominik.reichl@t-online.de> Copyright (C) 2016 The Qt Company Ltd License: Public Domain Secure Hash Algorithm SHA-3 - brg endian Copyright Copyright (c) 1998-2013, Brian Gladman, Worcester, UK. All rights reserved. License: BSD 2-clause "Simplified" License Copyright (c) 1998-2013, Brian Gladman, Worcester, UK. All rights reserved. The redistribution and use of this software (with or without changes) is allowed without the payment of fees or royalties provided that: source code distributions include the above copyright notice, this list of conditions and the following disclaimer; binary distributions include the above copyright notice, this list of conditions and the following disclaimer in their documentation. This software is provided 'as is' with no explicit or implied warranties in respect of its operation, including, but not limited to, correctness and fitness for purpose. Secure Hash Algorithm SHA-3 - Keccak Copyright Guido Bertoni, Joan Daemen, Michaël Peeters and Gilles Van Assche. To the extent possible under law, the implementers have waived all copyright

and related or neighboring rights to the source code in this file. License: Creative Commons Zero v1.0 Universal CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER. Statement of Purpose The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work"). Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others. For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CCO with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CCO on those rights. 1. Copyright and Related Rights. A Work made available under CCO may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following: i. the right to reproduce, adapt, distribute, perform, display, communicate, and

translate a Work; ii. moral rights retained by the original author(s) and/or performer(s); iii. publicity and privacy rights pertaining to a person's image or likeness depicted in a Work; iv. rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below; v. rights protecting the extraction, dissemination, use and reuse of data in a Work; vi. database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and vii. other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof. 2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose. 3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a

royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed effective as of the date CCO was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose. 4. Limitations and Disclaimers. a. No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document. b. Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law. c. Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work. d. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CCO or use of the Work. SQLite Copyright The authors disclaim copyright to the source code. However, a license can be

obtained if needed. License: Public Domain TinyCBOR Copyright Copyright (C) 2015-2019 Intel Corporation License: MIT License MIT License Copyright (c) 2017 Intel Corporation Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Vulkan Memory Allocator Copyright Copyright (c) 2017-2018 Advanced Micro Devices, Inc. All rights reserved. License: MIT License Copyright (c) 2017-2018 Advanced Micro Devices, Inc. All rights reserved. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Bitstream Vera Font Copyright Copyright (C) 2003 Bitstream, Inc License: Bitstream Vera Font License Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of

the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions: The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces. The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera". This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names. The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself. THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE. Except as contained in this notice, the names of GNOME, the GNOME Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the GNOME Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org. DejaVu Fonts Copyright Copyright (c) 2003 by Bitstream, Inc Copyright (c) 2006 by Tavmjong Bah (c) American Mathematical Society License: Bitstream Vera Font License Fonts are (c) Bitstream (see below). DejaVu changes are in public domain. Glyphs imported from Arev fonts are (c) Tavmjong Bah (see below) Bitstream Vera Fonts Copyright _____ Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall

be included in all copies of one or more of the Font Software typefaces. The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself. THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the Gnome Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org.

Arev Fonts Copyright

Copyright (c) 2006 by Tavmjong Bah. All Rights Reserved. Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the modifications to the Bitstream Vera Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Tavmjong Bah" or the word "Arev".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Tavmjong Bah Arev" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by

itself.

```
THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT
OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL
TAVMJONG BAH BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL
DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM
OTHER DEALINGS IN THE FONT SOFTWARE.
Except as contained in this notice, the name of Tavmjong Bah shall not
be used in advertising or otherwise to promote the sale, use or other
dealings in this Font Software without prior written authorization
from Tavmjong Bah. For further information, contact: tavmjong @ free
. fr.
TeX Gyre DJV Math
_____
Fonts are (c) Bitstream (see below). DejaVu changes are in public domain.
Math extensions done by B. Jackowski, P. Strzelczyk and P. Pianowski
(on behalf of TeX users groups) are in public domain.
Letters imported from Euler Fraktur from AMSfonts are (c) American
Mathematical Society (see below).
Bitstream Vera Fonts Copyright
Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera
is a trademark of Bitstream, Inc.
Permission is hereby granted, free of charge, to any person obtaining a copy
of the fonts accompanying this license ("Fonts") and associated
documentation
files (the "Font Software"), to reproduce and distribute the Font Software,
including without limitation the rights to use, copy, merge, publish,
distribute,
and/or sell copies of the Font Software, and to permit persons to whom
the Font Software is furnished to do so, subject to the following
conditions:
The above copyright and trademark notices and this permission notice
shall be
included in all copies of one or more of the Font Software typefaces.
The Font Software may be modified, altered, or added to, and in particular
the designs of glyphs or characters in the Fonts may be modified and
additional
glyphs or characters may be added to the Fonts, only if the fonts are
renamed
to names not containing either the words "Bitstream" or the word "Vera".
This License becomes null and void to the extent applicable to Fonts or
Font Software
that has been modified and is distributed under the "Bitstream Vera"
names.
The Font Software may be sold as part of a larger software package but
no copy
of one or more of the Font Software typefaces may be sold by itself.
```

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE. Except as contained in this notice, the names of GNOME, the GNOME Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the GNOME Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org. AMSFonts (v. 2.2) copyright The PostScript Type 1 implementation of the AMSFonts produced by and previously distributed by Blue Sky Research and Y&Y, Inc. are now freely available for general use. This has been accomplished through the cooperation of a consortium of scientific publishers with Blue Sky Research and Y&Y. Members of this consortium include: Elsevier Science IBM Corporation Society for Industrial and Applied Mathematics (SIAM) Springer-Verlag American Mathematical Society (AMS) In order to assure the authenticity of these fonts, copyright will be held by the American Mathematical Society. This is not meant to restrict in any way the legitimate use of the fonts, such as (but not limited to) electronic distribution of documents containing these fonts, inclusion of these fonts into other public domain or commercial font collections or computer applications, use of the outline data to create derivative fonts and/or faces, etc. However, the AMS does require that the AMS copyright notice be removed from any derivative versions of the fonts which have been altered in any way. In addition, to ensure the fidelity of TeX documents using Computer Modern fonts, Professor Donald Knuth, creator of the Computer Modern faces, has requested that any alterations which yield different font metrics be given a different name. \$Id\$ Wintab API Copyright Copyright 1991-1998 by LCS/Telegraphics. License: LCS-Telegraphics License The text and information contained in this file may be freely used, copied, or distributed without compensation or licensing restrictions. XCB-XInput Copyright Copyright (C) 2001-2006 Bart Massey, Jamey Sharp, and Josh Triplett. Copyright (C) 2006 Peter Hutterer

Copyright (C) 2013 Daniel Martin License: MIT License Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the names of the authors or their institutions shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the authors. Data Compression Library (zlib) Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler License: zlib License This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution. Jean-loup Gailly Mark Adler jloup@gzip.org madler@alumni.caltech.edu If you use the zlib library in a product, we would appreciate *not* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code. If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions. Text Codecs: Big5, Big5-HKSCS Copyright

Copyright (C) 2000 Ming-Che Chuang Copyright (C) 2001, 2002 James Su, Turbolinux Inc. Copyright (C) 2002 WU Yi, HancomLinux Inc. Copyright (C) 2001, 2002 Anthony Fok, ThizLinux Laboratory Ltd. License: BSD 2-clause "Simplified" License Copyright (C) 2000 Ming-Che Chuang Copyright (C) 2001, 2002 James Su, Turbolinux Inc. Copyright (C) 2002 WU Yi, HancomLinux Inc. Copyright (C) 2001, 2002 Anthony Fok, ThizLinux Laboratory Ltd. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Text Codec: EUC-JP Copyright Copyright (C) 1999 Serika Kurusugawa. License: BSD 2-clause "Simplified" License Copyright (C) 1999 Serika Kurusugawa, All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Text Codec: EUC-KR Copyright Copyright (C) 1999-2000 Mizi Research Inc. License: BSD 2-clause "Simplified" License Copyright (C) 1999-2000 Mizi Research Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Text Codec: ISO 2022-JP (JIS) Copyright Copyright (C) 1999 Serika Kurusugawa. License: BSD 2-clause "Simplified" License Copyright (C) 1999 Serika Kurusugawa, All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Text Codec: Shift-JIS Copyright Copyright (C) 1999 Serika Kurusugawa. License: BSD 2-clause "Simplified" License Copyright (C) 1999 Serika Kurusugawa, All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Text Codec: TSCII Copyright Copyright (C) 2000 Hans Petter Bieker. License: BSD 2-clause "Simplified" License Copyright (C) 2000 Hans Petter Bieker. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Text Codec: GBK Copyright

Copyright (C) 2000 TurboLinux, Inc. Written by Justin Yu and Sean Chen. Copyright (C) 2001, 2002 Turbolinux, Inc. Written by James Su. Copyright (C) 2001, 2002 ThizLinux Laboratory Ltd. Written by Anthony Fok. License: BSD 2-clause "Simplified" License Copyright (C) 2000 TurboLinux, Inc. Written by Justin Yu and Sean Chen. Copyright (C) 2001, 2002 Turbolinux, Inc. Written by James Su. Copyright (C) 2001, 2002 ThizLinux Laboratory Ltd. Written by Anthony Fok. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. The Public Suffix List Copyright The list was originally provided by Jo Hermans <jo.hermans@gmail.com>. It is now maintained on github (https://github.com/publicsuffix/list). License: Mozilla Public License 2.0 Mozilla Public License Version 2.0 _____ 1. Definitions _____ 1.1. "Contributor" means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software. 1.2. "Contributor Version" means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution. 1.3. "Contribution" means Covered Software of a particular Contributor. 1.4. "Covered Software" means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof. 1.5. "Incompatible With Secondary Licenses" means

(a) that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or (b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License. 1.6. "Executable Form" means any form of the work other than Source Code Form. 1.7. "Larger Work" means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software. 1.8. "License" means this document. 1.9. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License. 1.10. "Modifications" means any of the following: (a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or (b) any new file in Source Code Form that contains any Covered Software. 1.11. "Patent Claims" of a Contributor means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version. 1.12. "Secondary License" means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses. 1.13. "Source Code Form" means the form of the work preferred for making modifications. 1.14. "You" (or "Your") means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity. 2. License Grants and Conditions _____ 2.1. Grants Each Contributor hereby grants You a world-wide, royalty-free,

```
non-exclusive license:
(a) under intellectual property rights (other than patent or trademark)
Licensable by such Contributor to use, reproduce, make available,
modify, display, perform, distribute, and otherwise exploit its
Contributions, either on an unmodified basis, with Modifications, or
as part of a Larger Work; and
(b) under Patent Claims of such Contributor to make, use, sell, offer
for sale, have made, import, and otherwise transfer either its
Contributions or its Contributor Version.
2.2. Effective Date
The licenses granted in Section 2.1 with respect to any Contribution
become effective for each Contribution on the date the Contributor first
distributes such Contribution.
2.3. Limitations on Grant Scope
The licenses granted in this Section 2 are the only rights granted under
this License. No additional rights or licenses will be implied from the
distribution or licensing of Covered Software under this License.
Notwithstanding Section 2.1(b) above, no patent license is granted by a
Contributor:
(a) for any code that a Contributor has removed from Covered Software;
or
(b) for infringements caused by: (i) Your and any other third party's
modifications of Covered Software, or (ii) the combination of its
Contributions with other software (except as part of its Contributor
Version); or
(c) under Patent Claims infringed by Covered Software in the absence of
its Contributions.
This License does not grant any rights in the trademarks, service marks,
or logos of any Contributor (except as may be necessary to comply with
the notice requirements in Section 3.4).
2.4. Subsequent Licenses
No Contributor makes additional grants as a result of Your choice to
distribute the Covered Software under a subsequent version of this
License (see Section 10.2) or under the terms of a Secondary License (if
permitted under the terms of Section 3.3).
2.5. Representation
Each Contributor represents that the Contributor believes its
Contributions are its original creation(s) or it has sufficient rights
to grant the rights to its Contributions conveyed by this License.
2.6. Fair Use
This License is not intended to limit any rights You have under
applicable copyright doctrines of fair use, fair dealing, or other
equivalents.
2.7. Conditions
Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted
in Section 2.1.
3. Responsibilities
_____
3.1. Distribution of Source Form
All distribution of Covered Software in Source Code Form, including any
```

Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then: (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License. 3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies. 3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it. 5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

- * * * 6. Disclaimer of Warranty * * ------ *
- * *

* Covered Software is provided under this License on an "as is" *
* basis, without warranty of any kind, either expressed, implied, or *
* statutory, including, without limitation, warranties that the *
* Covered Software is free of defects, merchantable, fit for a *
* particular purpose or non-infringing. The entire risk as to the *
* quality and performance of the Covered Software is with You. *
* Should any Covered Software prove defective in any respect, You *
* (not any Contributor) assume the cost of any necessary servicing, *
* repair, or correction. This disclaimer of warranty constitutes an *
* authorized under this License except under this disclaimer. *
* *

R&S® Puls Sequencer PC Software

* * * 7. Limitation of Liability * * _____ * * Under no circumstances and under no legal theory, whether tort * * (including negligence), contract, or otherwise, shall any * * Contributor, or anyone who distributes Covered Software as * * permitted above, be liable to You for any direct, indirect, * $^{
m s}$ special, incidental, or consequential damages of any character $^{
m \star}$ * including, without limitation, damages for lost profits, loss of * * goodwill, work stoppage, computer failure or malfunction, or any * * and all other commercial damages or losses, even if such party * st shall have been informed of the possibility of such damages. This st * limitation of liability shall not apply to liability for death or * * personal injury resulting from such party's negligence to the * * extent applicable law prohibits such limitation. Some * \star jurisdictions do not allow the exclusion or limitation of \star * incidental or consequential damages, so this exclusion and * * limitation may not apply to You. * 8. Litigation _____ Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims. 9. Miscellaneous _____ This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor. 10. Versions of the License _____ 10.1. New Versions Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number. 10.2. Effect of New Versions You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license

10.3. Modified Versions

steward.

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License). 10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached. Exhibit A - Source Code Form License Notice _____ This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at https://mozilla.org/MPL/2.0/. If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice. You may add additional accurate notices of copyright ownership. Exhibit B - "Incompatible With Secondary Licenses" Notice _____ This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0. QEventDispatcher on macOS Copyright Copyright (c) 2007-2008, Apple, Inc. License: BSD 3-clause "New" or "Revised" License Copyright (c) 2007-2008, Apple, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of Apple, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Unicode Character Database (UCD) Copyright Copyright (C) 1991-2018 Unicode, Inc. License: Unicode License Agreement - Data Files and Software (2016) UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE See Terms of Use for definitions of Unicode Inc.'s Data Files and Software. NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE. COPYRIGHT AND PERMISSION NOTICE Copyright (c) 1991-2019 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in https://www.unicode.org/copyright.html. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation. THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder. Unicode Common Locale Data Repository (CLDR) Copyright Copyright (C) 1991-2019 Unicode, Inc. License: Unicode License Agreement - Data Files and Software (2016) UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE See Terms of Use for definitions of Unicode Inc.'s

Data Files and Software. NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE. COPYRIGHT AND PERMISSION NOTICE Copyright (c) 1991-2019 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in https://www.unicode.org/copyright.html. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation. THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder. libdus-1 headers Copyright Copyright (C) 2002, 2003 CodeFactory AB Copyright (C) 2004, 2005 Red Hat, Inc. License: Academic Free License v2.1, or GNU General Public License v2.0 or later Copyright (C) 2002, 2003 CodeFactory AB Copyright (C) 2004, 2005 Red Hat, Inc. Licensed under the Academic Free License version 2.1 This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful,

but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA ____ The Academic Free License v.2.1 This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work: Licensed under the Academic Free License version 2.1 1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following: a) to reproduce the Original Work in copies; b) to prepare derivative works ("Derivative Works") based upon the Original Work; c) to distribute copies of the Original Work and Derivative Works to the public; d) to perform the Original Work publicly; and e) to display the Original Work publicly. 2) Grant of Patent License. Licensor hereby grants You a world-wide, royaltyfree, non-exclusisublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works. 3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work. 4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any

Original Work that Licensor otherwise would have a right to license. 5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware. 11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. § 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License. 13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. 15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You. This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

GNU GENERAL PUBLIC LICENSE Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 , USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too. When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such

modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License. 3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.) The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code. 4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice. This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the

General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM

"AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them

to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found. <one line to give the program's name and an idea of what it does.> Copyright (C) <yyyy> <name of author> This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 , USA. Also add information on how to contact you by electronic and paper mail. If the program is interactive, make it output a short notice like this when it starts in an interactive mode: Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details. The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program. You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker. <signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice OpenGL Headers Copyright Copyright (c) 2013-2014 The Khronos Group Inc. License: MIT License Copyright (c) 2013-2014 The Khronos Group Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials. THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY

CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS. OpenGL ES 2 Headers Copyright Copyright (c) 2013-2014 The Khronos Group Inc. License: MIT License Copyright (c) 2013-2014 The Khronos Group Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials. THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS. Anti-aliasing rasterizer from FreeType 2 Copyright Copyright 2000-2016 by David Turner, Robert Wilhelm, and Werner Lemberg. License: Freetype Project License or GNU General Public License v2.0 only The FreeType 2 font engine is copyrighted work and cannot be used legally without a software license. In order to make this project usable to a vast majority of developers, we distribute it under two mutually exclusive open-source licenses. This means that *you* must choose *one* of the two licenses described below, then obey all its terms and conditions when using FreeType 2 in any of your projects or products. - The FreeType License, found in the file `FTL.TXT', which is similar to the original BSD license *with* an advertising clause that forces you to explicitly cite the FreeType project in your product's documentation. All details are in the license file. This license is suited to products which don't use the GNU General Public License. Note that this license is compatible to the GNU General Public License version 3, but not version 2. - The GNU General Public License version 2, found in `GPLv2.TXT' (any later version can be used also), for programs which already use the GPL. Note that the FTL is incompatible with GPLv2 due to its advertisement clause. The contributed BDF and PCF drivers come with a license similar to that of the X Window System. It is compatible to the above two licenses (see file src/bdf/README and src/pcf/README). The same holds for the files

`fthash.c' and `fthash.h'; their code was part of the BDF driver in earlier FreeType versions. The gzip module uses the zlib license (see src/gzip/zlib.h) which too is compatible to the above two licenses. The MD5 checksum support (only used for debugging in development builds) is in the public domain. --- end of LICENSE.TXT ---Smooth Scaling Algorithm Copyright Copyright (C) 2004, 2005 Daniel M. Duley. (C) Carsten Haitzler and various contributors. (C) Willem Monsuwe <willem@stack.nl> License: BSD 2-clause "Simplified" License and Imlib2 License qimagetransform.cpp was contributed by Daniel M. Duley based on code from Imlib2. Copyright (C) 2004, 2005 Daniel M. Duley Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Imlib2 License Copyright (C) 2000 Carsten Haitzler and various contributors (see AUTHORS) Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies of the Software and its Copyright notices. In addition publicly documented acknowledgment must be given that this software has been used if no source code of this software is made available publicly. This includes acknowledgments in either Copyright notices, Manuals, Publicity and Marketing documents or any documentation provided with any product containing this software. This License does not apply to any

software that links to the libraries provided by this software (statically or dynamically), but only to the software provided. Please see the COPYING.PLAIN for a plain-english explanation of this notice and it's intent. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. WebGradients Copyright Copyright (c) 2017 itmeo License: MIT License MIT License Copyright (c) 2017 itmeo Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. X Server helper Copyright Copyright (c) 1987, 1988 X Consortium Copyright 1987, 1988 by Digital Equipment Corporation, Maynard, Massachusetts. License: X11 License and Historical Permission Notice and Disclaimer Copyright (c) 1987, 1988 X Consortium Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN

AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium. Copyright 1987, 1988 by Digital Equipment Corporation, Maynard, Massachusetts. All Rights Reserved Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Digital not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. DIGITAL DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL DIGITAL BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Adobe Glyph List For New Fonts Copyright Copyright 2002, 2003, 2005, 2006, 2008, 2010, 2015 Adobe Systems License: BSD 3-Clause "New" or "Revised" License Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Adobe Systems Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Vulkan API Registry Copyright Copyright (c) 2015-2017 The Khronos Group Inc.

License: MIT License Copyright (c) 2015-2017 The Khronos Group Inc. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials. THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS. Cocoa Platform Plugin Copyright Copyright (c) 2007-2008, Apple, Inc. License: BSD 3-clause "New" or "Revised" License Copyright (c) 2007-2008, Apple, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of Apple, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Valgrind Copyright Copyright (C) 2000-2017 Julian Seward Copyright (C) 2003-2017 Josef Weidendorfer. License: BSD 4-clause "Original" or "Old" License

Copyright (C) 2000-2017 Julian Seward. All rights reserved. Copyright (C) 2003-2017 Josef Weidendorfer. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

 Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
 The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
 Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
 The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Cycle

Copyright

Copyright (c) 2003, 2006 Matteo Frigo

Copyright (c) 2003, 2006 Massachusetts Institute of Technology License: MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Linux Performance Events Copyright

Copyright (C) 2008-2009, Thomas Gleixner <tglx@linutronix.de> Copyright (C) 2008-2011, Red Hat, Inc., Ingo Molnar Copyright (C) 2008-2011, Red Hat, Inc., Peter Zijlstra License: GNU General Public License v2.0 only with Linux Syscall Note NOTE! This copyright does *not* cover user programs that use kernel services by normal system calls - this is merely considered normal use of the kernel, and does *not* fall under the heading of "derived work". Also note that the GPL below is copyrighted by the Free Software Foundation, but the instance of code that it refers to (the linux kernel) is copyrighted by me and others who actually wrote it. Linus Torvalds _____ GNU GENERAL PUBLIC LICENSE Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation, Inc. 675 Mass Ave, Cambridge, MA 02139, USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. Preamble The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too. When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things. To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it. For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights. We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software. Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we

want its recipients to know that what they have is not the original, so

that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all. The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you". Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does. 1. You may copy and distribute verbatim copies of the Program's

source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee. 2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions: a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change. b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.) These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following: a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or, b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or, c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering

access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code. 4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally. NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms. To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found. <one line to give the program's name and a brief idea of what it does.> Copyright (C) 19yy <name of author> This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA. Also add information on how to contact you by electronic and paper mail. If the program is interactive, make it output a short notice like this when it starts in an interactive mode: Gnomovision version 69, Copyright (C) 19yy name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details. The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program. You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker. <signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License. B11107 Copyright Copyright (C) 2000-2016 BlueZ Project. License: GNU General Public License v2.0 only (This does not force user code to be GPL'ed. Fo more info see details.) JavaScriptCore Macro Assembler Copyright

```
Copyright (C) 2003-2018 Apple Inc. All rights reserved.
Copyright (C) 2007 Justin Haygood (jhaygood@reaktix.com)
Copyright (C) 2007-2009 Torch Mobile, Inc. All rights reserved.
(http://www.torchmobile.com/)
Copyright (C) 2009, 2010 University of Szeged
Copyright (C) 2009-2011 STMicroelectronics. All rights reserved.
Copyright (C) 2010 MIPS Technologies, Inc. All rights reserved.
Copyright (C) 2010 Peter Varga (pvarga@inf.u-szeged.hu), University of Szeged
Copyright (C) 2010 MIPS Technologies, Inc. All rights reserved.
Copyright (C) 2010, 2011 Research In Motion Limited. All rights reserved.
Copyright (C) 2011 Google Inc. All rights reserved.
Copyright (C) 2013 Samsung Electronics. All rights reserved.
Copyright (C) 2015 Cisco Systems, Inc. All rights reserved.
Copyright (c) 2002-2009 Vivek Thampi
License: BSD 2-clause "Simplified" License
Copyright (C) 2012 Apple Inc. All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
THIS SOFTWARE IS PROVIDED BY APPLE INC. ``AS IS'' AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE INC. OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY
OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
TIFF Software Distribution (libtiff)
Copyright
Copyright (c) 1988-1997 Sam Leffler
Copyright (c) 1991-1997 Silicon Graphics, Inc.
License: libtiff License
Copyright (c) 1988-1997 Sam Leffler
Copyright (c) 1991-1997 Silicon Graphics, Inc.
Permission to use, copy, modify, distribute, and sell this software and
its documentation for any purpose is hereby granted without fee, provided
that (i) the above copyright notices and this permission notice appear in
all copies of the software and related documentation, and (ii) the names of
Sam Leffler and Silicon Graphics may not be used in any advertising or
publicity relating to the software without the specific, prior written
permission of Sam Leffler and Silicon Graphics.
THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND,
```

EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. WebP (libwebp) Copyright Copyright (c) 2010, Google Inc. All rights reserved. License: BSD 3-clause "New" or "Revised" License Copyright (c) 2010, Google Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of Google nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Clip2Tri Polygon Triangulation Library Copyright Copyright (c) 2014 Bitfighter developers License: MIT License The MIT License (MIT) Copyright (c) 2014 Bitfighter developers Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Clipper Polygon Clipping Library Copyright Copyright Angus Johnson 2010-2015 License: Boost Software License 1.0 Use, modification & distribution is subject to Boost Software License Ver 1. http://www.boost.org/LICENSE 1 0.txt Attributions: The code in this library is an extension of Bala Vatti's clipping algorithm: "A generic solution to polygon clipping" Communications of the ACM, Vol 35, Issue 7 (July 1992) pp 56-63. http://portal.acm.org/citation.cfm?id=129906 Computer graphics and geometric modeling: implementation and algorithms By Max K. Agoston Springer; 1 edition (January 4, 2005) http://books.google.com/books?q=vatti+clipping+agoston See also: "Polygon Offsetting by Computing Winding Numbers" Paper no. DETC2005-85513 pp. 565-575 ASME 2005 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference (IDETC/CIE2005) September 24-28, 2005 , Long Beach, California, USA http://www.me.berkeley.edu/~mcmains/pubs/DAC050ffsetPolygon.pdf Boost Software License - Version 1.0 - August 17th, 2003 http://www.boost.org/LICENSE 1 0.txt Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Earcut Polygon Triangulation Library Copyright Copyright (c) 2015 Mapbox License: ISC License ISC License Copyright (c) 2015, Mapbox Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. geosimplify-js polyline simplification library Copyright Copyright (c) 2017 Daniel Patterson License: geosimplify-js License Qt port of geosimplify.js, https://github.com/mapbox/geosimplify-js Copyright (c) 2017, Daniel Patterson All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LTABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. _____ Based on simplify-js by Vladimir Agafonkin - http://mourner.github.io/simplify-js/ Mapbox GL Native Copyright Copyright (c) 2014-2017 Mapbox Copyright (c) 2013 Brandon Jones, Colin MacKenzie IV License: BSD 2-clause "Simplified" License and zlib License mapbox-gl-native copyright (c) 2014-2017 Mapbox. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Copyright (c) 2013 Brandon Jones, Colin MacKenzie IV This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution. CSS Color Parser Copyright Copyright (c) 2012 Dean McNamee, 2014-2017 Konstantin Käfer License: MIT License (c) Dean McNamee <dean@gmail.com>, 2012. C++ port by Mapbox, Konstantin Käfer <mail@kkaefer.com>, 2014-2017. https://github.com/deanm/css-color-parser-js

https://github.com/kkaefer/css-color-parser-cpp Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. cURL Parse Date Copyright Copyright (c) 1998-2014 Daniel Stenberg, et al License: MIT License COPYRIGHT AND PERMISSION NOTICE Copyright (C) 1998 - 2014, Daniel Stenberg, <daniel@haxx.se>, et al. All rights reserved. Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder. Boost Copyright Copyright (c) 2011-2012 Brandon Kohn Copyright (c) 2008 Peter Kankowski Copyright (c) 2011-2017 Adam Wulkiewicz, Lodz, Poland Copyright (c) 2014 Agustin Berge Copyright (c) 2015 Agustin K-ballo Berge Copyright (c) 1999-2010 Aleksey Gurtovoy Copyright (c) 2006 Alexander Nasonov & Paul A. Bristow Copyright (c) 2006-2010 Alexander Nasonov Copyright (c) 2011-2013 Andrew Hundt Copyright (c) 2007-2013, 2014, 2017 Andrey Semashev Copyright (c) 2014-2016 Andrzej Krzemienski Copyright (c) 2012 Anthony Williams

```
Copyright (c) 2011-2017 Antony Polukhin
Copyright (c) 2004, 2005, 2006 Arkadiy Vertleyb
Copyright (c) 2009 Arno Schoedl & Neil Groves
Copyright (c) 2009-2011 Artyom Beilis
Copyright (c) 1995, 2007-2017 Barend Gehrels, Amsterdam
Copyright (c) 2007 Baruch Zilber
Copyright (c) 1999-2003, 2006, 2008, 2009, 2011 Beman Dawes
Copyright (c) 1999 Beman Dawes and Daryle Walker
Copyright (c) 2005 Ben Hutchings
Copyright (c) 2001, 2002 Bill Kempf
Copyright (c) 2006-2007 Boris Gubenko
Copyright (c) 2002 Brad King (brad.king@kitware.com), Douglas Gregor
(gregod@cs.rpi.edu)
Copyright (c) 2016 Brian Kuhl
Copyright (c) 2015 Bruno Dutra
Copyright (c) 2008-2015 Bruno Lalande, Paris, France
Copyright (c) 2010, 2011 Bryce Lelbach
Copyright (c) 2003-2011 LASMEA UMR 6602 CNRS/Univ. Clermont II
Copyright (c) 2009-2011 LRI UMR 8623 CNRS/Univ Paris Sud XI
Copyright (c) 2009 Carl Barron
Copyright (c) 2015 Charly Chevalier
Copyright (c) 2003 Christof Meerwald
Copyright (c) 2005 Christopher Diggins
Copyright (c) 2011 Christopher Jefferson
Copyright (c) 2002-2013 Christopher Kormanyos
Copyright (c) 2009 Christopher Schmidt
Copyright (c) 2009-2011 Christopher Schmidt
Copyright (c) 2007-2008 CodeRage, LLC
Copyright (c) 2013 Cray, Inc.
Copyright (c) 2013-2014 Damien Buhl
Copyright (c) 2005-2006 Dan Marsden
Copyright (c) 2006, 2007 Dan Marsden
Copyright (c) 2003 Dan Watkins
Copyright (c) 2001 Daniel C. Nuffer
Copyright (c) 2003 Daniel Frey
Copyright (c) 2002-2016 Daniel Frey
Copyright (c) 2005-2014 Daniel James
Copyright (c) 2001-2009 Daniel Nuffer
Copyright (c) 2006, 2007 Daniel Walker
Copyright (c) 2008-2012 Daniel Walker, Eric Niebler, Michel Morin
Copyright (c) 2004 Daniel Wallin
Copyright (c) 2010 Daniel Wallin, Eric Niebler
Copyright (c) 2017 Daniela Engert
Copyright (c) 2000-2004, 2012 Darin Adler
Copyright (c) 2001-2002 Daryle Walker and Stephen Cleary
Copyright (c) 1999-2003 Dave Abrahams and Daniel Walker
Copyright (c) 2001 Dave Abrahams and Daryle Walker
Copyright (c) 2000 Dave Abrahams, Steve Cleary, Beman Dawes, Aleksey Gurtovoy,
Howard Hinnant & John Maddock
Copyright (c) 2000-2003, 2010 Dave Abrahams, Steve Cleary, Beman Dawes, Howard
```

```
Hinnant & John Maddock
Copyright (c) 2000-2004, 2006, 2009 David Abrahams
Copyright (c) 1999-2001 David Abrahams, Jeremy Siek, Daryle Walker
Copyright (c) 2009 David Abrahams, Vicente Botet
Copyright (c) 2001-2006, 2008, 2010 Douglas Gregor
Copyright (c) 2009 Dustin Spicuzza
Copyright (c) 2017 Dynatrace
Copyright (c) 2007, 2011, 2013-2015 Edward Diener
Copyright (c) 2006-2017 Emil Dotchevski and Reverge Studios, Inc.
Copyright (c) 2002-2003 Eric Friedman
Copyright (c) 2002-2003 Eric Friedman, Itay Maman
Copyright (c) 2010 Eric Jourdanneau, Joel Falcou
Copyright (c) 2004-2006, 2008, 2010-2014 Eric Niebler
Copyright (c) 2008 Federico J. Fernandez
Copyright (c) 2000-2008 Fernando Luis Cacciola Carballal
Copyright (c) 2009 Francois Barel
Copyright (c) 2016 Frank Hein, maxence business consulting gmbh
Copyright (c) 2014 Franz Detro
Copyright (c) 2009-2011 Frederic Bron
Copyright (c) 2009-2011 Frederic Bron, Robert Stewart, Steven Watanabe & Roman
Perepelitsa
Copyright (c) 2003 Gennaro Prota
Copyright (c) 1995-2010 Geodan, Amsterdam
Copyright (c) 2014 Glen Fernandes
Copyright (c) 2014 Glen Joseph Fernandes
Copyright (c) 2017 Glen Joseph Fernandes (glenjofe@gmail.com)
Copyright (c) 1998, 1999 Greg Colvin and Beman Dawes
Copyright (c) 2002, 2003 Guillaume Melquiond
Copyright (c) 2001 -2013 Hartmut Kaiser
Copyright (c) 2004 Herve Bronnimann
Copyright (c) 2001 Housemarque Oy http://www.housemarque.com
Copyright (c) 2003 Howard Hinnant
Copyright (c) 2001 Hubert Holin
Copyright (c) 2012 IBM Corp.
Copyright (c) 2005 Igor Chesnokov
Copyright (c) 2005-2017 Ion Gaztanaga
Copyright (c) 1999-2003 Jaakko Jarvi
Copyright (c) 2003 Jaap Suter
Copyright (c) 2011 Jan Frederick Eick
Copyright (c) 2001-2003 Jens Maurer
Copyright (c) 1999-2003 Jeremiah Willcock
Copyright (c) 2000-2002 Jeremy Siek
Copyright (c) 2001 Jeremy Siek and John R. Bandela
Copyright (c) 2016 Jeremy William Murphy
Copyright (c) 2014 Jessica Hamilton
Copyright (c) 2005 Jim Douglas
Copyright (c) 2015 Joel Falcou
Copyright (c) 2001-2013 Joel de Guzman
Copyright (c) 2006-2008 Johan Rade
Copyright (c) 2014-2015 John Fletcher
```

```
Copyright (c) 2000-2008, 2010-2013, 2015-2017 John Maddock
Copyright (c) 2005 John Maddock & Thorsten Ottosen
Copyright (c) 2000 John Maddock and Steve Cleary
Copyright (c) 2013 John Maddock, Antony Polukhin
Copyright (c) 2001 John R. Bandela
Copyright (c) 2003-2007 Jonathan Turkanis
Copyright (c) 2005 Jonathan Turkanis
Copyright (c) 2001 Kevlin Henney
Copyright (c) 1999 Kevlin Henney and Dave Abrahams
Copyright (c) 2000-2005 Kevlin Henney
Copyright (c) 2014-2016 Kohei Takahashi
Copyright (c) 2002 Lars Gullik Bjonnes <larsbj@lyx.org>
Copyright (c) 2016 Lee Clagett
Copyright (c) 2001 Lie-Quan Lee
Copyright (c) 2009-2012 Lorenzo Caminiti
Copyright (c) 1995 Maarten Hilferink, Amsterdam
Copyright (c) 2002-2003, 2005 Markus Schoepflin
Copyright (c) 2003 Martin Wille
Copyright (c) 2001 Mat Marcus, Jesse Jones and Adobe Systems Inc
Copyright (c) 2009-2015 Mateusz Loskot, London, UK.
Copyright (c) 2005 Matthew Calabrese
Copyright (c) 2006 Michael van der Westhuizen
Copyright (c) 2017 Michel Morin
Copyright (c) 2014 Microsoft Corporation
Copyright (c) 2012 Nathan Ridge
Copyright (c) 2003-2004, 2009-2010, 2014 Neil Groves
Copyright (c) 2003-2004 Neil Groves & Thorsten Ottosen & Pavol Droba
Copyright (c) 2001 Nicolai M. Josuttis
Copyright (c) 2007 Noel Belcourt
Copyright (c) 2013-2017 Oracle and/or its affiliates
Copyright (c) 2005 Pablo Aguilar
Copyright (c) 2009 Pablo Halpern
Copyright (c) 2006-2012 Paul A. Bristow
Copyright (c) 2002-2011 Paul Mensonides
Copyright (c) 1999 Paul Moore
Copyright (c) 2004 Pavel Vozenilek
Copyright (c) 2002-2006 Pavol Droba
Copyright (c) 2004-2007, 2010 Peder Holt
Copyright (c) 2001-2017 Peter Dimov
Copyright (c) 2002 Peter Dimov and David Abrahams
Copyright (c) 2001-2003 Peter Dimov and Multi Media Ltd.
Copyright (c) 2006 Piotr Wyderski
Copyright (c) 2002 David Abrahams
Copyright (c) 2003-2005 Rani Sharoni
Copyright (c) 2002 Rani Sharoni (rani sharoni@hotmail.com) and Robert Ramey
Copyright (c) 2005-2017 Rene Rivera
Copyright (c) 2002 Robert Ramey
Copyright (c) 2017 Ruslan Baratov
Copyright (c) 2014-2015 Samuel Debionne, Grenoble, France
Copyright (c) 2009 Spirent Communications, Inc.
```

```
Copyright (c) 2004 Stefan Slapeta
Copyright (c) 2006 Stephen Nutt
Copyright (c) 2000 Steve Cleary, Beman Dawes, Aleksey Gurtovoy, Howard Hinnant &
John Maddock
Copyright (c) 2000-2005 Steve Cleary, Beman Dawes, Howard Hinnant & John Maddock
Copyright (c) 2006 Steven Watanabe
Copyright (c) 2007, 2008 Steven Watanabe, Joseph Gauterin, Niels Dekker
Copyright (c) 2003 Synge Todo
Copyright (c) 2002 The Trustees of Indiana University
Copyright (c) 2010-2011 Thomas Heller
Copyright (c) 2002 Thomas Witt
Copyright (c) 2003-2006 Thorsten Ottosen
Copyright (c) 2006-2008 Thorsten Ottosen, Neil Groves
Copyright (c) 2006, 2007 Tobias Schwinger
Copyright (c) 2006 Tomas Puverle
Copyright (c) 2001-2003 Toon Knapen
Copyright (c) 2003 Vesa Karvonen
Copyright (c) 2009-2012 Vicente J. Botet Escriba
Copyright (c) 2009 Yuriy Krasnoschek
Copyright (c) 2002 by Andrei Alexandrescu
License: Boost Software License 1.0
Boost Software License - Version 1.0 - August 17th, 2003
Permission is hereby granted, free of charge, to any person or organization
obtaining a copy of the software and accompanying documentation covered by
this license (the "Software") to use, reproduce, display, distribute,
execute, and transmit the Software, and to prepare derivative works of the
Software, and to permit third-parties to whom the Software is furnished to
do so, all subject to the following:
The copyright notices in the Software and this entire statement, including
the above license grant, this restriction and the following disclaimer,
must be included in all copies of the Software, in whole or in part, and
all derivative works of the Software, unless such copies or derivative
works are solely in the form of machine-executable object code generated by
a source language processor.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT
SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE
FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.
Earcut
Copyright
Copyright (c) 2015 Mapbox
License: ISC License
ISC License
Copyright (c) 2015, Mapbox
Permission to use, copy, modify, and/or distribute this software for any purpose
with or without fee is hereby granted, provided that the above copyright notice
and this permission notice appear in all copies.
```

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. geojson-cpp Copyright Copyright (c) 2016 Mapbox License: ISC License Copyright (c) 2016, Mapbox Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. geojson-vt-cpp Copyright Copyright (c) 2015 Mapbox License: ISC License ISC License Copyright (c) 2015, Mapbox Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. geometry.hpp Copyright Copyright (c) 2016 Mapbox License: ISC License Copyright (c) 2016, Mapbox Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. kdbush.hpp Copyright Copyright (c) 2016 Vladimir Agafonkin License: ISC License Copyright (c) 2016, Vladimir Agafonkin Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Optional Copyright Copyright (C) 2011 - 2012 Andrzej Krzemienski License: Boost Software License 1.0 Boost Software License - Version 1.0 - August 17th, 2003 Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. polylabel Copyright Copyright (c) 2016 Mapbox License: ISC License ISC License Copyright (c) 2016 Mapbox

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. protozero Copyright Copyright (c) Mapbox License: BSD 2-clause "Simplified" License protozero copyright (c) Mapbox. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. RapidJSON Copyright Copyright (c) 2015 THL A29 Limited, a Tencent company, and Milo Yip License: MIT License Tencent is pleased to support the open source community by making RapidJSON available. Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip. All rights reserved. Licensed under the MIT License (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://opensource.org/licenses/MIT Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the

specific language governing permissions and limitations under the License. MIT LICENSE Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. shelf-pack-cpp Copyright Copyright (c) 2017 Mapbox License: ISC License ISC License Copyright (c) 2017, Mapbox Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. supercluster.hpp Copyright Copyright (c) 2016 Mapbox License: ISC License Copyright (c) 2016, Mapbox Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. tao tuple Copyright

Copyright (c) 2015-2016 Daniel Frey License: MIT License The MIT License (MIT) Copyright (c) 2015 Daniel Frey Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. unique resource Copyright Copyright (c) 2015 okdshin License: Boost Software License 1.0 Boost Software License - Version 1.0 - August 17th, 2003 Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. variant. Copyright Copyright (c) MapBox License: BSD 3-clause "New" or "Revised" License Copyright (c) MapBox All rights reserved. Redistribution and use in source and binary forms, with or without modification,

are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. - Neither the name "MapBox" nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Vector Tile Library Copyright Copyright (c) 2016 Mapbox License: ISC License Copyright (c) 2016, Mapbox Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Wagyu Geometry Processing Library Copyright Copyright (c) 2010-2015, Angus Johnson, 2016 Mapbox License: MIT License Parts of the code in the Wagyu Library are derived from the version of the Clipper Library by Angus Johnson listed below. Author : Angus Johnson Version : 6.4.0 Date : 2 July 2015 Website : http://www.angusj.com Copyright for portions of the derived code in the Wagyu library are held by Angus Johnson, 2010-2015. All other copyright for the Wagyu Library are held by Mapbox, 2016. This code is published in accordance with, and retains the same license as the Clipper Library by Angus Johnson. Copyright (c) 2010-2015, Angus Johnson

Copyright (c) 2016, Mapbox Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. nunicode Copyright Copyright (c) 2013 Aleksey Tulinov <aleksey.tulinov@gmail.com> License: MIT License Copyright (c) 2013 Aleksey Tulinov <aleksey.tulinov@gmail.com> Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Poly2Tri Polygon Triangulation Library Copyright Poly2Tri Copyright (c) 2009-2010, Poly2Tri Contributors License: BSD 3-clause "New" or "Revised" License Poly2Tri Copyright (c) 2009-2010, Poly2Tri Contributors http://code.google.com/p/poly2tri/ All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice,

this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of Poly2Tri nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. In-app billing service Copyright Copyright (C) 2012 The Android Open Source Project License: Apache License 2.0 Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License. "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License. "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files. "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types. "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work

(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or

Derivative Works a copy of this License; and (b) You must cause any modified files to carry prominent notices stating that You changed the files; and (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Base64 Decoder Copyright Copyright 2002, Google, Inc. License: Apache License 2.0 Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License. "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License. "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files. "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types. "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,

worldwide, non-exclusive, no-charge, royalty-free, irrevocable

copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and(b) You must cause any modified files to carry prominent notices stating that You changed the files; and(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or

for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License. 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License. 8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate

comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Public Key Verification Copyright Copyright (c) 2012 Google Inc. License: Apache License 2.0 Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License. "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License. "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files. "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types. "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications

represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works

that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License. 8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be

liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Open Asset Import Library Copyright Copyright (c) 2006-2018, assimp team License: BSD 3-clause "New" or "Revised" Licensee Redistribution and use of this software in source and binary forms, with or without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other

materials provided with the distribution. * Neither the name of the assimp team, nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission of the assimp team. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Shadow values from Angular Material Copyright Copyright (c) 2014-2016 Google, Inc License: MIT License Copyright (c) 2014-2016 Google, Inc. http://angularjs.org Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. JavaScriptCore Copyright Copyright 2006-2008 the V8 project authors. Copyright 2009, The Android Open Source Project Copyright (C) 1984, 1989, 1990, 1991, 2000, 2001, 2002, 2003, 2004, 2005, 2006 Free Software Foundation, Inc. Copyright (C) 1991, 2000, 2001 by Lucent Technologies. Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura, Copyright (C) 1997-2006 University of Cambridge Copyright (C) 1998 John E. Bossom Copyright (C) 1999-2004 Harri Porten (porten@kde.org) Copyright (C) 1999,2005 Pthreads-win32 contributors Copyright (C) 2001, 2013 Peter Kelly (pmk@post.com) Copyright (c) 2005-3009 Google Inc.

```
Copyright (C) 2006 Alexey Proskuryakov <ap@nypop.com>
Copyright (C) 2006 Bjoern Graf (bjoern.graf@gmail.com)
Copyright (C) 2006 George Staikos <staikos@kde.org>
Copyright (C) 2006 Maks Orlovich
Copyright (C) 2006 Samuel Weinig <sam.weinig@gmail.com>
Copyright (C) 2007-2009 Torch Mobile, Inc.
Copyright (C) 2007 Cameron Zwarich (cwzwarich@uwaterloo.ca)
Copyright (C) 2007 Eric Seidel <eric@webkit.org>
Copyright (C) 2007 Justin Haygood (jhaygood@reaktix.com)
Copyright (C) 2007 Maks Orlovich
Copyright (C) 2007 Staikos Computing Services Inc.
Copyright (C) 2008, 2009 Paul Pedriana <ppedriana@ea.com>.
Copyright (C) 2008-2009 Torch Mobile Inc.
Copyright (C) 2008 Alp Toker <alp@atoker.com>
Copyright (C) 2008 Cameron Zwarich <cwzwarich@uwaterloo.ca>
Copyright (C) 2008 David Levin <levin@chromium.org>
Copyright (C) 2008 Dominik Röttsches <dominik.roettsches@access-company.com>
Copyright (C) 2008 Google Inc.
Copyright (C) 2008 Jürg Billeter <j@bitron.ch>
Copyright (C) 2008 Kelvin W Sherlock (ksherlock@gmail.com)
Copyright (C) 2008 Torch Mobile Inc. (http://www.torchmobile.com/)
Copyright (C) 2009 Company 100, Inc.
Copyright (c) 2009 Ian C. Bullard
Copyright (C) 2009 Jian Li <jianli@chromium.org>
Copyright (C) 2009 Kevin Ollivier
Copyright (C) 2009 Patrick Gansterer (paroga@paroga.com)
Copyright (C) 2009 Torch Mobile, Inc.
Copyright (C) 2009 University of Szeged
Copyright (C) 2015 The Qt Company Ltd
License: GNU Library General Public License v2 or later
NOTE! The LGPL below is copyrighted by the Free Software Foundation, but
the instance of code that it refers to (the kde libraries) are copyrighted
by the authors who actually wrote it.
_____
                                  _____
GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991
Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1301, USA.
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
Preamble
The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.
This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
```

other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things. To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it. For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights. Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library. Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better. However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one. GNU LIBRARY GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables. The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".) "Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated

all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an

appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions: a) The modified work must itself be a software library. b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change. c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License. d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.) These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of

this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so

instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices. Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy. This option is useful when you wish to copy part of the code of the Library into a program that is not a library. 4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange. If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code. 5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License. However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables. When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law. If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself. 6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work

that they refer to the ordinary GNU General Public License, version 2,

under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications. You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things: a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.) b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution. c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place. d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy. For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable. It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:a) Accompany the combined library with a copy of the same work

based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work. 8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance. 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH

DAMAGES. END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License). To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found. <one line to give the library's name and a brief idea of what it does.> Copyright (C) <year> <name of author> This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Also add information on how to contact you by electronic and paper mail. You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker. <signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice That's all there is to it! XSVG Copyright Copyright 2002 USC/Information Sciences Institute License: Historical Permission Notice and Disclaimer - sell variant Copyright 2002 USC/Information Sciences Institute Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Information Sciences Institute not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Information Sciences Institute makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied

warrantv.

INFORMATION SCIENCES INSTITUTE DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL INFORMATION SCIENCES INSTITUTE BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Lipi Toolkit Copyright Copyright (c) 2006, 2017 Hewlett-Packard Development Company, L.P. License: MIT License Copyright (c) 2006 Hewlett-Packard Development Company, L.P. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. OpenWnn Copyright Copyright (C) 2008-2012 OMRON SOFTWARE Co., Ltd. License: Apache License 2.0 Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License. "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types. "Work" shall mean the work of authorship, whether in Source or Object form, made

available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations elaborations or other modifications represent as a whole an annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, nonexclusive, no-charge free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, nocharge, royalt irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions: You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

If the Work includes a "NOTICE" text file as part of its distribution then any If the Work includes a NOTICE text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any

Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor and only if You agree to indemnify defend and hold each PinyinIME Copyright Copyright (C) 2009 The Android Open Source Project License: Apache License 2.0 Copyright (c) 2009, The Android Open Source Project Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License. "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License. "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files. "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types. "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,

worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions: (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and (b) You must cause any modified files to carry prominent notices stating that You changed the files; and (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions

for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License. 8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS Traditional Chinese IME (tcime) Copyright Copyright 2010 Google Inc. Copyrighy (c) 1999 TaBE Project.

```
Copyright (c) 1999 Pai-Hsiang Hsiao.
Copyright (c) 1999 Computer Systems and Communication Lab, Institute of
Information Science, Academia Sinica.
Copyright 1996 Chih-Hao Tsai @ Beckman Institute, University of Illinois
License: Apache License 2.0 and BSD 3-clause "New" or "Revised" License
The project in general is under the following licenses:
_____
Copyright 2010 Google Inc.
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
_____
File dict phrases.dat is built from libTabe; the licenses of libTabe is:
_____
Copyrighy (c) 1999 TaBE Project.
Copyright (c) 1999 Pai-Hsiang Hsiao.
All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in
the documentation and/or other materials provided with the
distribution.
. Neither the name of the TaBE Project nor the names of its
contributors may be used to endorse or promote products derived
from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.
Copyright (c) 1999 Computer Systems and Communication Lab,
Institute of Information Science, Academia Sinica.
All rights reserved.
```

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: . Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. . Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. . Neither the name of the Computer Systems and Communication Lab nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Copyright 1996 Chih-Hao Tsai @ Beckman Institute, University of Illinois c-tsai4@uiuc.edu http://casper.beckman.uiuc.edu/~c-tsai4 _____

Wayland Fullscreen Shell Protocol Copyright Copyright (c) 2016 Yong Bakos Copyright (c) 2015 Jason Ekstrand Copyright (c) 2015 Jonas Ådahl

License: MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Wayland Protocol Copyright Copyright (c) 2008-2011 Kristian Høgsberg Copyright (c) 2010-2011 Intel Corporation Copyright (c) 2012-2013 Collabora, Ltd. License: MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Wayland IVI Extension Protocol Copyright

Copyright (C) 2013 DENSO CORPORATION Copyright (c) 2013 BMW Car IT GmbH License: MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Wayland Primary Selection Protocol Copyright Copyright (c) 2015, 2016 Red Hat License: MIT License Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Wayland Scaler Protocol Copyright

Copyright (c) 2013-2014 Collabora, Ltd. License: MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Wayland Tablet Protocol Copyright Copyright 2014 (c) Stephen "Lyude" Chandler Paul Copyright 2015-2016 (c) Red Hat, Inc.

License: MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Wayland Viewporter Protocol Copyright Copyright (c) 2013-2016 Collabora, Ltd. License: MIT License Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Wayland xdg-decoration Protocol Copyright Copyright (c) 2018 Simon Ser License: MIT License Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Wayland XDG Output Protocol Copyright Copyright (c) 2017 Red Hat Inc. License: MIT License Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"),

to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Wayland XDG Shell Protocol Copyright Copyright (c) 2008-2013 Kristian Høgsberg Copyright (c) 2013 Rafael Antognolli Copyright (c) 2013 Jasper St. Pierre Copyright (c) 2010-2013 Intel Corporation Copyright (c) 2015-2017 Samsung Electronics Co., Ltd Copyright (c) 2015-2017 Red Hat Inc. License: MIT License Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Wayland Text Input Protocol Copyright Copyright (c) 2012, 2013 Intel Corporation Copyright (c) 2015, 2016 Jan Arne Petersen License: HPND License Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holders not be used in advertising or publicity

pertaining to distribution of the software without specific, written prior permission. The copyright holders make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. THE COPYRIGHT HOLDERS DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Wayland Linux Dmabuf Unstable V1 Protocol Copyright Copyright (c) 2014, 2015 Collabora, Ltd. License: MIT License Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Wayland EGLStream Controller Protocol Copyright Copyright (c) 2017, NVIDIA CORPORATION. All rights reserved. License: MIT License Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL

THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER

LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. XML Schema Copyright Copyright (c) 2007 W3C(r) (MIT, ERCIM, Keio, Beihang) License: W3C Software Notice and Document License (2015-05-13) W3C(r) SOFTWARE NOTICE AND LICENSE This license came from: https://www.w3.org/Consortium/Legal/2015/copyrightsoftware-and-docume This work is being provided by the copyright holders under the following license. License By obtaining and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions. Permission to copy, modify, and distribute this work, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the work or portions thereof, including modifications: - The full text of this NOTICE in a location viewable to users of the redistributed or derivative work. - Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software and Document Short Notice should be included. - Notice of any changes or modifications, through a copyright statement on the new code or document such as "This software or document includes material copied from or derived from [title and URI of the W3C document]. Copyright (c) [YEAR] W3C(r) (MIT, ERCIM, Keio, Beihang)." Disclaimers THIS WORK IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENT WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS. COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENT. The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the work without specific, written prior permission. Title to copyright in this work will at all times remain with copyright holders. Attributions for Qt WebEngine 5.15.16 Abseil Project Homepage: https://github.com/abseil/abseil-cpp Apache License Version 2.0, January 2004 https://www.apache.org/licenses/ TERMS AND CONDITION FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti

permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or mere by name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall me. authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the Work and such Derivative Works in S form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each C grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (ex this section) patent license to make, have made, use, offer to sell, sell, import, and otherw Work, where such license applies only to those patent claims licensable by such Contributor t necessarily infringed by their Contribution(s) alone or by combination of their Contribution(which such Contribution(s) was submitted. If You institute patent litigation against any enti cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporate constitutes direct or contributory patent infringement, then any patent licenses granted to Y-License for that Work shall terminate as of the date such litigation is filed. 4. Redistribut reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with o modifications, and in Source or Object form, provided that You meet the following conditions: give any other recipients of the Work or Derivative Works a copy of this License; and (b) You modified files to carry prominent notices stating that You changed the files; and (c) You must retain, in the Source form of any Derivative Works that You distribute, all copy trademark, and attribution notices from the Source form of the Work, excluding those notices

trademark, and attribution notices from the Source form of the Work, excluding those notices pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text file distribution, then any Derivative Works that You distribute must include a readable copy of the notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribut within a display generated by the Derivative Works, if and wherever such third-party notices and Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be comodifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution of the statement to the statement to the statement is the statement to the statement is the statement to the statement is provided to the statement to the statement is the statement to the terms and conditions for use, reproduction, or distribution terms terms to the statement to the terms and terms to the terms terms terms to the terms terms to terms the terms terms terms to terms the terms t

or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work Licensor shall be under the terms and conditions of this License, without any additional terms Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. The does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by appliagreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut: IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR FURPOSE. You are solely responsible for determining the appropriatent of using or redistributing the Work and assume any risks associated with Your exercise of perm this License. 8. Limitation of Liability. In no event and under no legal theory,

whether in tort (including negligence), contract, or otherwise, unless required by applicable deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liab damages, including any direct, indirect, special, incidental, or consequential damages of any arising as a result of this License or out of the use or inability to use the Work (including damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all commercial damages or losses), even if such Contributor has been advised of the possibility o damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or adliability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright [yyyy] [name of copyright owner] License Apache License, Version 2.0 (the "License"); you may not use this file except in compliance w You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0 Unless reapplicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Alliance for Open Media Video Codec

Project Homepage: https://aomedia.googlesource.com/aom/

Copyright (c) 2016, Alliance for Open Media. All rights reserved. Redistribution and use in so forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Almost Native Graphics Layer Engine

Project Homepage: http://code.google.com/p/angleproject/

// Copyright 2018 The ANGLE Project Authors. // All rights reserved. // // Redistribution and binary forms, with or without // modification, are permitted provided that the following cond // Redistributions of source code must retain the above copyright // notice, this list of confollowing disclaimer. // // Redistributions in binary form must reproduce the above // copyriof conditions and the following // disclaimer in the documentation and/or other materials prodistribution. // // Neither the name of TransGaming Inc., Google Inc., 3DLabs Inc. // Ltd., no their contributors may be used to endorse

// or promote products derived from this software without specific // prior written permission SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS // FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE // COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, // INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, // BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; // LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER // CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT // LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN // ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE // POSSIBILITY OF SUCH DAMAGE.

Android Explicit Synchronization

Project Homepage: http://source.android.com

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shi beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entipermissions granted by this License. "Source" form shall mean the preferred form for making me including but not limited to software source code, documentation source, and configuration fil form shall mean any form resulting from mechanical transformation or translation of a Source "but

not limited to compiled object code, generated documentation, and conversions to other media is shall mean the work of authorship, whether in Source or Object form, made available under the indicated by a copyright notice that is included in or attached to the work (an example is pro-Appendix below). "Derivative Works" shall mean any work, whether in Source or Object form, the on (or derived from) the Work and for which the editorial revisions, annotations, elaborations modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind b interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of au including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrigh individual or Legal Entity authorized to submit on behalf of the copyright owner. For the pur definition, "submitted" means any form of electronic, verbal, or written communication sent to its representatives, including but not limited to communication on electronic mailing lists, systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked o designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mea any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the term conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that ar infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate

as of the date such litigation is filed. 4. Redistribution. You may reproduce and distribute or Derivative Works thereof in any medium, with or without modifications, and in Source or Ob provided that You meet the following conditions: (a) You must give any other recipients of the Derivative Works a copy of this License; and (b) You must cause any modified files to carry p notices stating that You changed the files; and (c) You must retain, in the Source form of an Works that You distribute, all copyright, patent, trademark, and attribution notices from the Work, excluding those notices that do not pertain to any part of the Derivative Works; and (d includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You include a readable copy of the attribution notices contained within such NOTICE file, excludi that do not pertain to any part of the Derivative Works, in at least one of the following pla NOTICE text file distributed as part of the Derivative Works; within the Source form or docum provided along with the Derivative Works; or, within a display generated by the Derivative Wo wherever such third-party notices normally appear. The contents of the NOTICE file are for in purposes only and do not modify the License. You may add Your own attribution notices within Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, prov such additional attribution notices cannot be construed as modifying the License. You may add copyright statement to Your modifications and may provide additional or different license term conditions for use, reproduction, or distribution of Your modifications, or for any such Deriwhole, provided Your use, reproduction, and distribution of the Work otherwise complies with stated in this License. 5. Submission of Contributions. Unless You explicitly state otherwise intentionally submitted for inclusion in the Work by You to the Licensor shall be under the to conditions of this License, without any additional terms or conditions. Notwithstanding the a herein shall supersede or modify the terms of any separate license agreement you may have exe Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission trade names, trademarks, service marks, or product names of the Licensor, except as required reasonable and customary use in describing the origin of the Work and reproducing the content NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licenso: Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warrant: conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistrib Work and assume any risks associated with Your exercise of permissions under this License. 8. Liability. In no event and under no legal theory, whether in tort (including negligence), con unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to any Contributor be liable to You for damages, including any direct, indirect, special, incide consequential damages of any character arising as a result of this License or out of the use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer malfunction, or any and all other commercial damages or losses), even if such Contributor has of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redi or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of sup indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for incurred by, or claims asserted against, such Contributor by reason of your accepting any suc additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, enclosed by brackets "[]" replaced with your own identifying information. (Don't include the should be enclosed in the appropriate comment syntax for the file format. We also recommend t class name and description of purpose be included on the same "printed page" as the copyright easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] the Apache License, Version 2.0 (the "License"); you may not use this file except in complian License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the Lic on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the language governing permissions and limitations under the language governing permissions and limitations under the language governing permissions and limitations and limitations under the language governing permissions and limitations and limitations under the language governing permissions and limitations and l ANGLE array bounds clamper from WebKit

Project Homepage: http://webkit.org

Copyright (C) 2012 Apple Inc. All rights reserved. Redistribution and use in source and binar without modification, are permitted provided that the following conditions are met: 1. Redist code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution SOFTWARE IS PROVIDED BY APPLE, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE, INC. OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. ARCore SDK

Project Homepage: https://github.com/google-ar/arcore-android-sdk

Copyright (c) 2017, Google Inc. Licensed under the Apache License, Version 2.0 (the "License" not use this file except in compliance with the License. Unless required by applicable law or writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WAY OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Apache License Version 2.0, January 2 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND

DISTRIBUTION

1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and dist defined by Sections 1 through 9 of this document. "Licensor" shall mean the copyright owner o authorized by the copyright owner that is granting the License. "Legal Entity" shall mean the acting entity and all other entities that control, are controlled by, or are under common con For the purposes of this definition, "control" means (i) the power, direct or indirect, to ca management of such entity, whether by contract or otherwise, or (ii) ownership of fifty perce. of the outstanding shares, or (iii) beneficial ownership of such entity. "You" (or "Your") sh. individual or Legal Entity exercising permissions granted by this License. "Source" form shal preferred form for making modifications, including but not limited to software source code, d source, and configuration files. "Object" form shall mean any form resulting from mechanical or translation of a Source form, including but not limited to compiled object code, generated and conversions to other media types. "Work" shall mean the work of authorship, whether in So Object form, made available under the License, as indicated by a copyright notice that is inc attached to the work (an example is provided in the Appendix below). "Derivative Works" shall work, whether in Source or Object form, that is based on (or derived from) the Work and for wi editorial revisions, annotations, elaborations, or other modifications represent, as a whole, authorship. For the purposes of this License, Derivative Works shall not include works that re from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works the "Contribution" shall mean any work of authorship, including the original version of the Work modifications or additions to that Work or Derivative Works thereof, that is intentionally su for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorize behalf of the copyright owner. For the purposes of this definition, "submitted" means any for verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by the owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal 3 of whom a Contribution has been received by Licensor and subsequently incorporated within the Grant of Copyright License. Subject to the terms and conditions of this License, each Contrib grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable cop reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and d Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of

this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no royalty-free, irrevocable (except as stated in this section) patent license to make, have made sell, sell, import, and otherwise transfer the Work, where such license applies only to those licensable by such Contributor that are necessarily infringed by their Contribution(s) alone of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You in litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging Contribution incorporated within the Work constitutes direct or contributory patent infringem patent licenses granted to You under this License for that Work shall terminate as of the date is filed. 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative any medium, with or without modifications, and in Source or Object form, provided that You me following conditions: (a) You must give any other recipients of the Work or Derivative Works . License; and (b) You must cause any modified files to carry prominent notices stating that Yo files; and (c) You must retain, in the Source form of any Derivative Works that You distribute patent, trademark, and attribution notices from the Source form of the Work, excluding those not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices of The contents of the NOTICE file are for informational purposes only and do not modify the Lice add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be commodifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed

with Licensor regarding such Contributions. 6. Trademarks. This License does not grant permiss the trade names, trademarks, service marks, or product names of the Licensor, except as requireasonable and customary use in describing the origin of the Work and reproducing the content NOTICE file. 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in wriprovides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITH WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A

PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using o redistributing the Work and assume any risks associated with Your exercise of permissions und License. 8. Limitation of Liability. In no event and under no legal theory, whether in tort (negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted Contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS

ARCore SDK client library for Chrome

Project Homepage: https://developers.google.com/ar/develop/java/enable-arcore#dependencies Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shbeneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entit permissions granted by this License. "Source" form shall mean the preferred form for making m

including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 3 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig individual or Legal Entity authorized to submit on behalf of the copyright owner. For the pur definition, "submitted" means any form of electronic, verbal, or written communication sent to its representatives, including but not limited to communication on electronic mailing lists, systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked o designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mea any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Cont grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable cop reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and d Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to mak offer to sell, sell, import, and otherwise transfer the Work, where such license applies only claims licensable by such Contributor that are necessarily infringed by their Contribution(s) combination of their Contribution(s) with the Work to which such Contribution(s) was submitted institute patent litigation against any entity (including a cross-claim or counterclaim in a the Work or a Contribution incorporated within the Work constitutes direct or contributory pa then any patent licenses granted to You under this License for that Work shall terminate as o litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work o thereof in any medium, with or without modifications, and in Source or Object form, provided the following conditions: (a) You must give any other recipients of the Work or Derivative Wo License; and (b) You must cause any modified files to carry prominent notices stating that Yo files; and (c) You must retain, in the Source form of any Derivative Works that You distribute patent, trademark, and attribution notices from the Source form of the Work, excluding those not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co. as modifying the License. You may add Your own copyright statement to Your modifications and n additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in the negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, with the fields end "[]" replaced with your own identifying information. (Don't include the brackets!) The text si in the appropriate comment syntax for the file format. We also recommend that a file or class description of purpose be included on the same "printed page" as the copyright notice for eas within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the App. Version 2.0 (the "License"); you may not use this file except in compliance with the License. a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applic agreed to in writing, software distributed under the License is distributed on an "AS IS" BAS WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the spec language governing permissions and limitations under the License.

Project Homepage: https://github.com/dequelabs/axe-core/

Mozilla Public License, version 2.0 1. Definitions 1.1. "Contributor" means each individual o creates, contributes to the creation of, or owns Covered Software. 1.2. "Contributor Version" combination of the Contributions of others (if any) used by a Contributor and that particular Contribution. 1.3. "Contribution" means Covered Software of a particular Contributor. 1.4. "Comeans Source Code Form to which the initial Contributor has attached the

notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such a Form, in each case including portions thereof. 1.5. "Incompatible With Secondary Licenses" mea the initial Contributor has attached the notice described in Exhibit B to the Covered Software Covered Software was made available under the terms of version 1.1 or earlier of the License, under the terms of a Secondary License. 1.6. "Executable Form" means any form of the work other Source Code Form. 1.7. "Larger Work" means a work that combines Covered Software with other ma

a separate file or files, that is not Covered Software. 1.8. "License" means this document. 1 means having the right to grant, to the maximum extent possible, whether at the time of the i subsequently, any and all of the rights conveyed by this License. 1.10. "Modifications" means following: a. any file in Source Code Form that results from an addition to, deletion from, o the contents of Covered Software; or b. any new file in Source Code Form that contains any Co Software. 1.11. "Patent Claims" of a Contributor means any patent claim(s), including without method, process, and apparatus claims, in any patent Licensable by such Contributor that would infringed, but for the grant of the License, by the making, using, selling, offering for sale import, or transfer of either its Contributions or its Contributor Version. 1.12. "Secondary either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Ve the GNU Affero General Public License, Version 3.0, or any later versions of those licenses. 1.13. "Source Code Form" means the form of the work preferred for making modifications. 1.14. "Your") means an individual or a legal entity exercising rights under this License. For legal includes any entity that controls, is controlled by, or is under common control with You. For definition, "control" means (a) the power, direct or indirect, to cause the direction or manaentity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) o shares or beneficial ownership of such entity. 2. License Grants and Conditions 2.1. Grants E hereby grants You a world-wide, royalty-free, non-exclusive license: a. under intellectual pro-(other than patent or trademark) Licensable by such Contributor to use, reproduce, make avail. display, perform, distribute, and otherwise exploit its Contributions, either on an unmodifie Modifications, or as part of a Larger Work; and b. under Patent Claims of such Contributor to offer for sale, have made, import, and otherwise transfer either its Contributions or its Con 2.2. Effective Date The licenses granted in Section 2.1 with respect to any Contribution become each Contribution on the date the Contributor first distributes such Contribution. 2.3. Limit. Scope The licenses granted in this Section 2 are the only rights granted under this License. rights or licenses will be implied from the distribution or licensing of Covered Software und Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor: a. for a Contributor has removed from Covered Software; or b. for infringements caused by: (i) Your an third party's modifications of Covered Software, or (ii) the combination of its Contributions (except as part of its Contributor Version); or c. under Patent Claims infringed by Covered S. absence of

its Contributions. This License does not grant any rights in the trademarks, service marks, o Contributor (except as may be necessary to comply with the notice requirements in Section 3.4 Subsequent Licenses No Contributor makes additional grants as a result of Your choice to dist Covered Software under a subsequent version of this License (see Section 10.2) or under the t Secondary License (if permitted under the terms of Section 3.3). 2.5. Representation Each Con represents that the Contributor believes its Contributions are its original creation(s) or it to grant the rights to its Contributions conveyed by this License. 2.6. Fair Use This License limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or 2.7. Conditions Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Sec Responsibilities 3.1. Distribution of Source Form All distribution of Covered Software in Sou including any Modifications that You create or to which You contribute, must be under the term License. You must inform recipients that the Source Code Form of the Covered Software is gove terms of this License, and how they can obtain a copy of this License. You may not attempt to the recipients' rights in the Source Code Form. 3.2. Distribution of Executable Form If You d Software in Executable Form then: a. such Covered Software must also be made available in Sou Form, as described in Section 3.1, and You must inform recipients of the Executable Form how obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no the cost of distribution to the recipient; and b. You may distribute such Executable Form und this License, or sublicense it under different terms, provided that the

license for the Executable Form does not attempt to limit or alter the recipients' rights in Form under this License. 3.3. Distribution of a Larger Work You may create and distribute a L under terms of Your choice, provided that You also comply with the requirements of this Licen Covered Software. If the Larger Work is a combination of Covered Software with a work governe more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses License permits You to additionally distribute such Covered Software under the terms of such License(s), so that the recipient of the Larger Work may, at their option, further distribute Software under the terms of either this License or such Secondary License(s). 3.4. Notices Yo remove or alter the substance of any license notices (including copyright notices, patent not of warranty, or limitations of liability) contained within the Source Code Form of the Covere that You may alter any license notices to the extent required to remedy known factual inaccur Application of Additional Terms You may choose to offer, and to charge a fee for, warranty, s indemnity or liability obligations to one or more recipients of Covered Software. However, Yo only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely cl such warranty, support, indemnity, or liability obligation is offered by You alone, and You h indemnify every Contributor for any liability incurred by such Contributor as a result of war indemnity or liability terms You offer. You may include additional disclaimers of warranty an liability specific to any jurisdiction. 4. Inability to Comply Due to Statute or Regulation I You to comply with any of the terms of this License with respect to some or all of the Covere to statute, judicial order, or regulation then You must: (a) comply with the terms of this Li maximum extent possible; and (b) describe the limitations and the code they affect. Such desc placed in a text file included with all distributions of the Covered Software under this Lice. extent prohibited by statute or regulation, such description must be sufficiently detailed fo ordinary skill to be able to understand it. 5. Termination 5.1. The rights granted under this terminate automatically if You fail to comply with any of its terms. However, if You become c the rights granted under this License from a particular Contributor are reinstated (a) provis until such Contributor

explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contribut You of the non-compliance by some reasonable means prior to 60 days after You have come back compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing Contributor notifies You of the non-compliance by some reasonable means, this is the first time received notice of non-compliance with this License from such Contributor, and You become com to 30 days after Your receipt of the notice. 5.2. If You initiate litigation against any enti infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) Contributor Version directly or indirectly infringes any patent, then the rights granted to Y Contributors for the Covered Software under Section 2.1 of this License shall terminate. 5.3. termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distr resellers) which have been validly granted by You or Your distributors under this License prishall survive termination. 6. Disclaimer of Warranty Covered Software is provided under this "as is" basis, without warranty of any kind, either expressed, implied, or statutory, includi warranties that the Covered Software is free of defects, merchantable, fit for a particular p infringing. The entire risk as to the quality and performance of the Covered Software is with Covered Software prove defective in any respect, You (not any Contributor) assume the cost of necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essent License. No use of any Covered Software is authorized under this License except under this di Limitation of Liability Under no circumstances and under no legal theory, whether tort (inclucontract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as above, be liable to You for any direct, indirect, special, incidental, or consequential damage including, without limitation, damages for lost profits, loss of goodwill, work stoppage, com malfunction, or any and all other commercial damages or losses, even if such party shall have

of the possibility of such damages. This limitation of liability shall not apply to liability injury resulting from such party's negligence to the extent applicable law prohibits such lim jurisdictions do not allow the exclusion or limitation of incidental or consequential damages and limitation may not apply to You. 8. Litigation Any litigation relating to this License ma the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims 9. Miscellaneous This License represents the complete agreement concerning the subject matter any provision of this License is held to be unenforceable, such provision shall be reformed of necessary to make it enforceable. Any law or regulation which provides that the language of a be construed against the drafter shall not be used to construe this License against a Contrib Versions of the License 10.1. New Versions Mozilla Foundation is the license steward. Except Section 10.3, no one other than the license steward has the right to modify or publish new ve License. Each version will be given a distinguishing version number. 10.2. Effect of New Vers distribute the Covered Software under the terms of the version of the License under which You received the Covered Software, or under the terms of any subsequent version published by the steward. 10.3. Modified Versions If you create software not governed by this License, and you a new license for such software, you may create and use a modified version of this License if license and remove any references to the name of the license steward (except to note that suc license differs from this License). 10.4. Distributing Source Code Form that is Incompatible Licenses If You choose to distribute Source Code Form that is Incompatible With Secondary Lic the terms of this version of the License, the notice described in Exhibit B of this License m Exhibit A - Source Code Form License Notice This Source Code Form is subject to the terms of Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obta http://mozilla.org/MPL/2.0/. If it is not possible or desirable to put the notice in a partic then You may include the notice in a location (such as a LICENSE file in a relevant directory recipient would be likely to look for such a notice. You may add additional accurate notices ownership. Exhibit B - "Incompatible With Secondary Licenses" Notice This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0. Blackmagic DeckLink SDK - Mac

Project

Homepage:http://software.blackmagicdesign.com/DeckLink/v10.7/Blackmagic DeckLink SDK 10.7.zip Extracted from mac/include/DeckLinkAPI.h: ** Copyright (c) 2014 Blackmagic Design ** ** Permi hereby granted, free of charge, to any person or organization ** obtaining a copy of the soft accompanying documentation covered by ** this license (the "Software") to use, reproduce, dis distribute, ** execute, and transmit the Software, and to prepare derivative works of the ** . permit third-parties to whom the Software is furnished to ** do so, all subject to the follow copyright notices in the Software and this entire statement, including ** the above license g restriction and the following disclaimer, ** must be included in all copies of the Software, and ** all derivative works of the Software, unless such copies or derivative ** works are so machine-executable object code generated by ** a source language processor. ** ** THE SOFTWAR PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR ** IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, ** FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT ** SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE ** FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ** ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER ** DEALINGS IN THE SOFTWARE. BoringSSL Project Homepage: https://boringssl.googlesource.com/boringssl

BoringSSL is a fork of OpenSSL. As such, large parts of it fall under OpenSSL licensing. File

------ * Copyright (c)

1998-2011 The OpenSSL Project. All rights reserved. * * Redistribution and use in source and I with or without * modification, are permitted provided that the following conditions * are me Redistributions of source code must retain the above copyright * notice, this list of conditifollowing disclaimer. * * 2. Redistributions in binary form must reproduce the above copyrigh of conditions and the following disclaimer in * the documentation and/or other materials prov distribution. * * 3. All advertising materials mentioning features or use of this * software a following acknowledgment: * "This product includes software developed by the OpenSSL Project the OpenSSL Toolkit. (http://www.openssl.org/)" * * 4. The names "OpenSSL Toolkit" and "OpenS must not be used to * endorse or promote products derived from this software without * prior permission. For written permission, please contact * openssl-core@openssl.org. * * 5. Product this software may not be called "OpenSSL" * nor may "OpenSSL" appear in their names without p * permission of the OpenSSL Project. * * 6. Redistributions of any form whatsoever must retain acknowledgment: * "This product includes software developed by the OpenSSL Project * for use OpenSSL Toolkit (http://www.openssl.org/) " * * THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY * EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; * LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED * OF THE POSSIBILITY OF SUCH DAMAGE. * includes cryptographic software written by Eric Young * (eay@cryptsoft.com). This product inc written by Tim * Hudson (tjh@cryptsoft.com). * * / Original SSLeay License ------1995-1998 Eric Young (eay@cryptsoft.com) * All rights reserved. * * This package is an SSL im written * by Eric Young (eay@cryptsoft.com). * The implementation was written so as to conform Netscapes SSL. * * This library is free for commercial and non-commercial use as long as * the conditions are aheared to. The following conditions * apply to all code found in this distrib RSA, * lhash, DES, etc., code; not just the SSL code. The SSL documentation * included with t is covered by the same copyright terms * except that the holder is Tim Hudson (tjh@cryptsoft. Copyright remains Eric Young's, and as such any Copyright notices in * the code are not to be this package is used in a product, Eric Young should be given attribution * as the author of library used. * This can be in the form of a textual message at program startup or * in docum or textual) provided with the package. * * Redistribution and use in source and binary forms, modification, are permitted provided that the following conditions * are met: * 1. Redistribu code must retain the copyright

* notice, this list of conditions and the following disclaimer. * 2. Redistributions in binar

the above copyright * notice, this list of conditions and the following disclaimer in the * d other materials provided with the distribution. * 3. All advertising materials mentioning fea software * must display the following acknowledgement: * "This product includes cryptographic written by * Eric Young (eay@cryptsoft.com)" * The word 'cryptographic' can be left out if th library * being used are not cryptographic related :-). * 4. If you include any Windows speci derivative thereof) from * the apps directory (application code) you must include an acknowle product includes software written by Tim Hudson (tjh@cryptsoft.com)" * * THIS SOFTWARE IS PRO BY ERIC YOUNG ``AS IS'' AND * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF * SUCH DAMAGE. * * The licence and distribution terms for any publically available version or * derivative of this code cannot b code cannot simply be * copied and put under another distribution licence * [including the GN Licence.] * / ISC license used for completely new code in BoringSSL: /* Copyright (c) 2015, G Permission to use, copy, modify, and/or distribute this software for any * purpose with or wi granted, provided that the above * copyright notice and this permission notice appear in all SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF * MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY * SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION * OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN * CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. * / The code in third_party/fiat carries the MIT license: Copyright (c) 2015-2016 t authors (see https://github.com/mit-plv/fiat-crypto/blob/master/AUTHORS). Permission is hereby granted, free of charge, to any person obtaining a copy of this software documentation files (the "Software"), to deal in the Software without restriction, including rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the permit persons to whom the Software is furnished to do so, subject to the following condition copyright notice and this permission notice shall be included in all copies or substantial po Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Licenses for support code ----- Parts of the TLS test suite are under the Go license. This code BoringSSL (i.e. libcrypto and libssl) when compiled, however, so distributing code linked aga does not trigger this license: Copyright (c) 2009 The Go Authors. All rights reserved. Redist in source and binary forms, with or without modification, are permitted provided that the fol are met: * Redistributions of source code must retain the above copyright notice, this list o the following disclaimer. * Redistributions in binary form must reproduce the above copyright of conditions and the following disclaimer in the documentation and/or other materials provide distribution. * Neither the name of Google Inc. nor the names of its contributors may be used promote products derived from this software without specific prior written permission. THIS S PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR

IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

BoringSSL uses the Chromium test infrastructure to run a continuous build, trybots etc. The s manage this, and the script for generating build metadata, are under the Chromium license. Di linked against BoringSSL does not trigger this license. Copyright 2015 The Chromium Authors. . reserved. Redistribution and use in source and binary forms, with or without modification, are provided that the following conditions are met: * Redistributions of source code must retain copyright notice, this list of conditions and the following disclaimer. * Redistributions in 1 reproduce the above copyright notice, this list of conditions and the following disclaimer in and/or other materials provided with the distribution. * Neither the name of Google Inc. nor contributors may be used to endorse or promote products derived from this software without sp written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Breakpad, An open-source multi-platform crash reportingsystem Project Homepage: https://chromium.googlesource.com/breakpad/breakpad Copyright (c) 2006, Google Inc. All rights reserved. Redistribution and use in source and bin without modification, are permitted provided that the following conditions are met: * Redistr code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. COPYRIGHT AND PERMISSION NOTICE Copyright (c) 1996 - 2011, Daniel Stenberg, <daniel@haxx.se>. All rights reserved. Permission to use, copy, modify this software for any purpose with or without fee is hereby granted, provided that the above and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT

WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to use or other dealings in this Software without prior written authorization of the copyright h 1999 Apple Computer, Inc. All rights reserved. @APPLE LICENSE HEADER START@ This file contain Original Code and/or Modifications of Original Code as defined in and that are subject to the Source License Version 2.0 (the 'License'). You may not use this file except in compliance wi Please obtain a copy of the License at http://www.opensource.apple.com/apsl/ and read it befo file. The Original Code and all software distributed under the License are distributed on an WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitations under the License. @APPLE_LICENSE_HEADER_END@ Copyright 2007-2008 Google Inc. Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless require applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Brotli

Project Homepage: https://github.com/google/brotli

Copyright (c) 2009, 2010, 2013-2016 by the Brotli Authors. Permission is hereby granted, free any person obtaining a copy of this software and associated documentation files (the "Software the Software without restriction, including without limitation the rights to use, copy, modif distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the furnished to do so, subject to the following conditions: The above copyright notice and this shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROV IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

bspatch

Project Homepage: http://lxr.mozilla.org/mozilla/source/toolkit/mozapps/update/src/updater/ Copyright 2003,2004 Colin Percival All rights reserved Redistribution and use in source and b with or without modification, are permitted providing that the following conditions are met: of source code must retain the above copyright notice, this list of conditions and the follow Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Chrome Custom Tabs - Example and Usage

Project Homepage:https://chromium.googlesource.com/external/github.com/GoogleChrome/custom-tak

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit: means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sha beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by "Source" form shall mean the preferred form for making modifications, including but not limit source code, documentation source, and configuration files. "Object" form shall mean any form mechanical transformation or translation of a Source form, including but not limited to compi generated documentation, and conversions to other media types. "Work" shall mean the work of whether in Source or Object form, made available under the License, as indicated by a copyrig is included in or attached to the work (an example is provided in the Appendix below). "Deriv shall mean any work, whether in Source or Object form, that is based on (or derived from) the which the editorial revisions, annotations, elaborations, or other modifications represent, a original work of authorship. For the purposes of this License, Derivative Works shall not inc remain separable from, or merely link (or bind by name) to the interfaces of, the Work and De thereof. "Contribution" shall mean any work of authorship, including the original version of modifications or additions to that Work or Derivative Works thereof, that is intentionally su for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorize behalf of the copyright owner. For the purposes of this definition, "submitted" means any for verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by th owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal 3 of whom a Contribution has been received by Licensor and subsequently incorporated within the Grant of Copyright License. Subject to the terms and conditions of this License, each Contrib grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable cop reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and d Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to mak use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies patent claims licensable by such Contributor that are necessarily infringed by their Contribu combination of their Contribution(s) with the Work to which such Contribution(s) was submitted institute patent litigation against any entity (including a cross-claim or counterclaim in a the Work or a Contribution incorporated within the Work constitutes direct or contributory pa then any patent licenses granted to You under this License for that Work shall terminate as o litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work o

thereof in any medium, with or without modifications, and in Source or Object form, provided the following conditions: (a) You must give any other recipients of the Work or Derivative Wo License; and (b) You must cause any modified files to carry prominent notices stating that Yo files; and (c) You must retain, in the Source form of any Derivative Works that You distribut patent, trademark, and attribution notices from the Source form of the Work, excluding those : not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lice add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor by You to the Licensor shall be under the terms and conditions of this License, without any a or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms license agreement you may have executed with Licensor regarding such Contributions. 6. Tradem. License does not grant permission to use the trade names, trademarks, service marks, or produthe Licensor, except as required for reasonable and customary use in describing the origin of reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted Contributor by reason of your accepting any such warranty or additional liability. Chromium OS system API

Project Homepage: http://www.chromium.org/chromium-os

// Copyright (c) 2006-2009 The Chromium OS Authors. All rights reserved. // // Redistribution source and binary forms, with or without // modification, are permitted provided that the fol are

// met: // // * Redistributions of source code must retain the above copyright // notice, this
the following disclaimer. // * Redistributions in binary form must reproduce the above // copy

list of conditions and the following disclaimer // in the documentation and/or other material // distribution. // * Neither the name of Google Inc. nor the names of its // contributors may or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. CityHash

Project Homepage: https://github.com/google/cityhash

// Copyright (c) 2011 Google, Inc. // // Permission is hereby granted, free of charge, to any copy // of this software and associated documentation files (the "Software"), to deal // in to restriction, including without limitation the rights // to use, copy, modify, merge, publish, and/or sell // copies of the Software, and to permit persons to whom the Software is // furni subject to the following conditions: // // The above copyright notice and this permission not included in // all copies or substantial portions of the Software. // // THE SOFTWARE IS PROV WITHOUT WARRANTY OF ANY KIND, EXPRESS OR // IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, // FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE // AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER // LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, // OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN // THE SOFTWARE.

Closure compiler

Project Homepage: http://github.com/google/closure-compiler

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 1 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. Fo this definition, "submitted" means any form of electronic, verbal, or written communication s Licensor or its representatives, including but not limited to communication on electronic mai code control systems, and issue tracking systems that are managed by, or on behalf of, the Li purpose of discussing and improving the Work, but excluding communication that is conspicuous otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" Licensor and any individual or Legal Entity on behalf of whom a Contribution has been receive and subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W the Work includes a "NOTICE" text file as part of its

distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriatene of using or redistributing the Work and assume any risks associated with Your exercise of perthis License. 8. Limitation of Liability. In no event and under no legal theory, whether in to negligence), contract, or otherwise, unless required by applicable law (such as deliberate and negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, so direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages so goodwill, work stoppage, computer failure or malfunction, or any and all

other commercial damages or losses), even if such Contributor has been advised of the possibi damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or adliability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright [yyyy] [name of copyright owner] License Apache License, Version 2.0 (the "License"); you may not use this file except in compliance w You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless req applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Cocoa extension code from Camino

Project Homepage: http://caminobrowser.org/

/* ***** BEGIN LICENSE BLOCK ***** * Version: MPL 1.1/GPL 2.0/LGPL 2.1 * * The contents of th subject to the Mozilla Public License Version * 1.1 (the "License"); you may not use this filcompliance with * the License. You may obtain a copy of the License at * http://www.mozilla.o * * Software distributed under the License is distributed on an "AS IS" basis, * WITHOUT WARR. ANY KIND, either express or implied. See the License * for the specific language governing riv limitations under the * License. * * The Original Code is mozilla.org code. * * The Initial D Original Code is * Netscape Communications Corporation. * Portions created by the Initial Dev Copyright (C) 2002 * the Initial Developer. All Rights Reserved. * * Contributor(s): * * Alte contents of this file may be used under the terms of * either the GNU General Public License later (the "GPL"), or * the GNU Lesser General Public License Version 2.1 or later (the "LGPL case the provisions of the GPL or the LGPL are applicable instead * of those above. If you wi of your version of this file only * under the terms of either the GPL or the LGPL, and not to use your version of this file under the terms of the MPL, indicate your * decision by deleting above and replace them with the notice * and other provisions required by the GPL or the LGPL delete * the provisions above, a recipient may use your version of this file under * the term MPL, the GPL or the LGPL. * * ***** END LICENSE BLOCK ***** * /

Compact Encoding Detection

Project Homepage: https://github.com/google/compact_enc_det

// Copyright (c) 2010 The Chromium Authors. All rights reserved. // // Redistribution and use binary forms, with or without // modification, are permitted provided that the following cond: // * Redistributions of source code must retain the above copyright // notice, this list of co following disclaimer. // * Redistributions in binary form must reproduce the above // copyrigh of conditions and the following disclaimer // in the documentation and/or other materials pro distribution. // * Neither the name of Google Inc. nor the names of its // contributors may b or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR

// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Compact Language Detector v3

Project Homepage: https://github.com/google/cld3

Copyright 2016 Google Inc. All rights reserved. Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduct distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the c or entity authorized by the copyright owner that is granting the License. "Legal Entity" shal the acting entity and all other entities that control, are controlled by, or are under common entity. For the purposes of this definition, "control" means (i) the power, direct or indirec direction or management of such entity, whether by contract or otherwise, or (ii) ownership o (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" mean an individual or Legal Entity exercising permissions granted by this License. "Source" for the preferred form for making modifications, including but not limited to software source cod source, and configuration files. "Object" form shall mean any form resulting from mechanical or translation of a Source form, including but not limited to compiled object code, generated and conversions to other media types. "Work" shall mean the work of authorship, whether in So Object form, made available under the License, as indicated by a copyright notice that is inc attached to the work

(an example is provided in the Appendix below). "Derivative Works" shall mean any work, wheth or Object form, that is based on (or derived from) the Work and for which the editorial revis elaborations, or other modifications represent, as a whole, an original work of authorship. F this License, Derivative Works shall not include works that remain separable from, or merely name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the Work and such Derivative Works in S form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each C

grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (ex this section) patent license to make, have made, use, offer to sell, sell, import, and otherw Work, where such license applies only to those patent claims licensable by such Contributor t necessarily infringed by their Contribution(s) alone or by combination of their Contribution(which such Contribution(s) was submitted. If You institute patent litigation against any enti cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporate constitutes direct or contributory patent infringement, then any patent licenses granted to Y License for that Work shall terminate as of the date such litigation is filed. 4. Redistribut reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with o modifications, and in Source or Object form, provided that You meet the following conditions: (a) You must give any other recipients of the Work or Derivative Works a copy of this License must cause any modified files to carry prominent notices stating that You changed the files; retain, in the Source form of any Derivative Works that You distribute, all copyright, patent attribution notices from the Source form of the Work, excluding those notices that do not per the Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distri Derivative Works that You distribute must include a readable copy of the attribution notices such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Wone of the following places: within a NOTICE text file distributed as part of the Derivative Source form or documentation, if provided along with the Derivative Works; or, within a displ. the Derivative Works, if and wherever such third-party notices normally appear. The contents file are for informational purposes only and do not modify the License. You may add Your own notices within Derivative Works that You distribute, alongside or as an addendum to the NOTIC: the Work, provided that such additional attribution notices cannot be construed as modifying You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Y state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions

of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You

are solely responsible for determining the appropriateness of using or redistributing the Worl any risks associated with Your exercise of permissions under this License. 8. Limitation of Lievent and under no legal theory, whether in tort (including negligence), contract, or otherwise required by applicable law (such as deliberate and grossly negligent acts) or agreed to in wr: Contributor be liable to You for damages, including any direct, indirect, special, incidental, damages of any character arising as a result of this License or out of the use or inability to (including but not limited to damages for loss of goodwill, work stoppage, computer failure of any and all other commercial damages or losses), even if such Contributor has been advised of possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistribut: Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support indemnity, or other liability obligations and/or rights consistent with this License. However, obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless fincurred by, or claims asserted against, such Contributor by reason of your accepting any such additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, enclosed by brackets "[]" replaced with your own identifying information. (Don't include the fishould be enclosed in the appropriate comment syntax for the file format. We also recommend the class name and description of purpose be included on the same "printed page" as the copyright easier identification within third-party archives. Copyright 2016, Google Inc. Licensed under License, Version 2.0 (the "License"); you may not use this file except in compliance with the may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Crashpad

Project Homepage: https://crashpad.chromium.org/

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 3 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including

the original version of the Work and any modifications or additions to that Work or Derivative that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner of or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of the "submitted" means any form of electronic, verbal, or written communication sent to the Licensor representatives, including but not limited to communication on electronic mailing lists, source systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked of designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mean any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the terms conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, noncharge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or O Grant of Patent License. Subject to the terms and conditions of this License, each Contributor to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distri Derivative Works that You distribute must include a readable copy of the attribution notices such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Wone of the following places: within a NOTICE text file distributed as part of the Derivative Source form or documentation, if provided along with the Derivative Works; or, within a displ. the Derivative Works, if and wherever such third-party notices normally appear. The contents file are for informational purposes only and do not modify the License. You may add Your own notices within Derivative Works that You distribute, alongside or as an addendum to the NOTIC the Work, provided that such additional attribution notices cannot be construed as modifying You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Y state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriatenof using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in the negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limi loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commerlosses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted of Contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" own identifying information. (Don't include the brackets!) The text should be enclosed in the comment syntax for the file format. We also recommend that a file or class name and description be included on the same "printed page" as the copyright notice for easier identification with archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Versim "License"); you may not use this file except in compliance with the License. You may obtain a License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or ag writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT W. OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Project Homepage: https://github.com/google/crc32c

Copyright 2017, The CRC32C Authors. Redistribution and use in source and binary forms, with o modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of co. following disclaimer. * Redistributions in binary form must reproduce the above copyright not conditions and the following disclaimer in the documentation and/or other materials provided distribution. * Neither the name of Google Inc. nor the names of its contributors may be used promote products derived from this software without specific prior written permission. THIS S PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

d3

Project Homepage: https://github.com/d3/d3

Copyright 2010-2017 Mike Bostock All rights reserved. Redistribution and use in source and bis with or without modification, are permitted provided that the following conditions are met: * source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of the author nor the names of contributors may be used to endorse or promote products do this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN

IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Darwin

Project Homepage: http://www.opensource.apple.com/

APPLE PUBLIC SOURCE LICENSE Version 2.0 - August 6, 2003 Please read this License carefully b downloading this software. By downloading or using this software, you are agreeing to be bound of this License. If you do not or cannot agree to the terms of this License, please do not do software. Apple Note: In January 2007, Apple changed its corporate name from "Apple Computer, "Apple Inc." This change has been reflected below and copyright years updated, but no other c been made to the APSL 2.0. 1. General; Definitions. This License applies to any program or ot Apple Inc. ("Apple") makes publicly available and which contains a notice placed by Apple ide program or work as "Original Code" and stating that it is subject to the terms of this Apple License version 2.0 ("License"). As used in this License: 1.1 "Applicable Patent Rights" mean where Apple is the grantor of rights, (i) claims of patents that are now or hereafter acquire assigned to Apple and (ii) that cover subject matter contained in the Original Code, but only necessary to use, reproduce and/or distribute the Original Code without infringement; and (b) where You are the grantor of rights, (i) claims of patents that are now or hereafter acquired assigned to You and (ii) that cover subject matter in Your Modifications, taken alone or in c Original Code. 1.2 "Contributor" means any person or entity that creates or contributes to the Modifications. 1.3 "Covered Code" means the Original Code, Modifications, the combination of and any Modifications, and/or any respective portions thereof. 1.4 "Externally Deploy" means: sublicense, distribute or otherwise make Covered Code available, directly or indirectly, to a You; and/or (b) to use Covered Code, alone or as part of a Larger Work, in any way to provide including but not limited to delivery of content, through electronic communication with a cli-1.5 "Larger Work" means a work which combines Covered Code or portions thereof with code not by the terms of this License. 1.6 "Modifications" mean any addition to, deletion from, and/or substance and/or structure of the Original Code, any previous Modifications, the

combination of Original Code and any previous Modifications, and/or any respective portions t code is released as a series of files, a Modification is: (a) any addition to or deletion from containing Covered Code; and/or (b) any new file or other representation of computer program that contains any part of Covered Code. 1.7 "Original Code" means (a) the Source Code of a pr other work as originally made available by Apple under this License, including the Source Codupdates or upgrades to such programs or works made available by Apple under this License, and been expressly identified by Apple as such in the header file(s) of such work; and (b) the ob compiled from such Source Code and originally made available by Apple under this License 1.8 Code" means the human readable form of a program or other work that is suitable for making mo to it, including all modules it contains, plus any associated interface definition files, scr compilation and installation of an executable (object code). 1.9 "You" or "Your" means an ind entity exercising rights under this License. For legal entities, "You" or "Your" includes any controls, is controlled by, or is under common control with, You, where "control" means (a) t or indirect, to cause the direction or management of such entity, whether by contract or othe ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of Permitted Uses; Conditions & amp; Restrictions. Subject to the terms and conditions of this Li hereby grants You, effective on the date You accept this License and download the Original Co wide, royalty-free, non-exclusive license, to the extent of Apple's Applicable Patent Rights covering the Original Code, to do the following: 2.1 Unmodified Code. You may use, reproduce, perform, internally distribute within Your organization, and Externally Deploy verbatim, unmothe Original Code, for commercial or non-commercial purposes, provided that in each instance: retain and reproduce in all copies of Original Code the copyright and other proprietary notic disclaimers of Apple as they appear in the Original Code, and keep intact all notices in the refer to this License; and (b) You must include a copy of this License with every copy of Sou Covered Code and documentation You distribute or Externally Deploy, and You may not offer or terms on such Source Code that alter or restrict this License or the recipients' rights hereus permitted under Section 6. 2.2 Modified Code. You may modify Covered Code and use, reproduce, perform, internally distribute within Your organization, and Externally Deploy Your Modificat Code, for commercial or non-commercial purposes, provided that in each instance You also meet conditions: (a) You must satisfy all the conditions of Section 2.1 with respect to the Source Covered Code;

(b) You must duplicate, to the extent it does not already exist, the notice in Exhibit A in e. Code of all Your Modifications, and cause the modified files to carry prominent notices stati. changed the files and the date of any change; and (c) If You Externally Deploy Your Modificat make Source Code of all Your Externally Deployed Modifications either available to those to with Externally Deployed Your Modifications, or publicly available. Source Code of Your Externally Modifications must be released under the terms set forth in this License, including the licen in Section 3 below, for as long as you Externally Deploy the Covered Code or twelve (12) mont date of initial External Deployment, whichever is longer. You should preferably distribute the Your Externally Deployed Modifications electronically (e.g. download from a web site). 2.3 Di Executable Versions. In addition, if You Externally Deploy Covered Code (Original Code and/or Modifications) in object code, executable form only, You must include a prominent notice, in well as in related documentation, stating that Source Code of the Covered Code is available u of this License with information on how and where to obtain such Source Code. 2.4 Third Party expressly acknowledge and agree that although Apple and each Contributor grants the licenses respective portions of the Covered Code set forth herein, no assurances are provided by Apple Contributor that the Covered Code does not infringe the patent or other intellectual property other entity. Apple and each Contributor disclaim any liability to You for claims brought by based on infringement of intellectual property rights or otherwise. As a condition to exercis licenses granted hereunder, You hereby assume sole responsibility to secure any other intelle rights needed, if any. For example, if a third party patent license is required to allow You Covered Code, it is Your responsibility to acquire that license before distributing the Cover Grants. In consideration of, and as a condition to, the licenses granted to You under this Li grant to any person or entity receiving or distributing Covered Code under this License a non royalty-free, perpetual, irrevocable license, under Your Applicable Patent Rights and other i property rights (other than patent) owned or controlled by You, to use, reproduce, display, p sublicense, distribute and Externally Deploy Your Modifications of the same scope and extent licenses under Sections 2.1 and 2.2 above. 4. Larger Works. You may create a Larger Work by c Covered Code with other code not governed by the terms of this License and distribute the Lar single product. In each such instance, You must make sure the requirements of this License are the Covered Code or any portion thereof. 5. Limitations on Patent License. Except as expressl Section 2, no other patent rights, express or implied, are granted by Apple herein. Modificat Larger Works may require additional patent licenses from Apple which Apple may grant in its s 6. Additional Terms. You may choose to offer, and to charge a fee for, warranty, support, ind obligations and/or other rights consistent with the scope of the license granted herein ("Add one or more recipients of Covered Code. However, You may do so only on Your own behalf and as responsibility, and not on behalf of Apple or any Contributor. You must obtain the recipient' any such Additional Terms are offered by You alone, and You hereby agree to indemnify, defend Apple and every Contributor harmless for any liability incurred by or claims asserted against Contributor by reason of any such Additional Terms. 7. Versions of the License. Apple may pub and/or new versions of this License from time to time. Each version will be given a distingui number. Once Original Code has been published under a particular version of this License, You continue to use it under the terms of that version. You may also choose to use such Original terms of any subsequent version of this License published by Apple. No one other than Apple h. modify the terms applicable to Covered Code created under this License. 8. NO WARRANTY OR SUPPORT. The Covered Code may contain in whole or in part pre-release, untested, or not fully works. The Covered Code may contain errors that could cause failures or loss of data, and may incomplete or contain inaccuracies. You expressly acknowledge and agree that use of the Cover any portion thereof, is at Your sole and entire risk. THE COVERED CODE IS PROVIDED "AS IS" AN WITHOUT WARRANTY, UPGRADES OR SUPPORT OF ANY KIND AND APPLE AND APPLE'S LICENSOR(S) (COLLECTIVELY REFERRED TO AS "APPLE" FOR THE PURPOSES OF SECTIONS 8 AND 9) AND ALL CONTRIBUTORS EXPRESSLY DISCLAIM ALL WARRANTIES AND/OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY, OF SATISFACTORY QUALITY, OF FITNESS FOR A PARTICULAR PURPOSE, OF ACCURACY, OF QUIET ENJOYMENT, AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. APPLE AND EACH CONTRIBUTOR DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE COVERED CODE, THAT THE FUNCTIONS CONTAINED IN THE COVERED CODE WILL MEET YOUR REQUIREMENTS, THAT THE OPERATION OF THE COVERED CODE WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE COVERED CODE WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY APPLE, AN APPLE AUTHORIZED REPRESENTATIVE OR ANY CONTRIBUTOR SHALL CREATE A WARRANTY. You acknowledge that the Covered Code is not intended for use in the operation of n facilities, aircraft navigation, communication systems, or air traffic control machines in wh of the Covered Code could lead to death, personal injury, or severe physical or environmental LIMITATION OF LIABILITY. TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT SHALL APPLE OR ANY CONTRIBUTOR BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS LICENSE OR YOUR USE OR INABILITY TO USE THE COVERED CODE, OR ANY PORTION THEREOF, WHETHER UNDER A THEORY OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCTS LIABILITY OR OTHERWISE, EVEN IF APPLE OR SUCH CONTRIBUTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF LIABILITY OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION MAY NOT APPLY TO YOU. In no event shall Apple's total liability to You for all damages (other than as may be required by applicable law) unde exceed the amount of fifty

dollars (\$50.00). 10. Trademarks. This License does not grant any rights to use the trademarks names "Apple", "Mac", "Mac OS", "QuickTime", "QuickTime Streaming Server" or any other trademarks service marks, logos or trade names belonging to Apple (collectively "Apple Marks") or to any service mark, logo or trade name belonging to any Contributor. You agree not to use any Apple as part of the name of products derived from the Original Code or to endorse or promote product from the Original Code other than as expressly permitted by and in strict compliance at all to third party trademark usage guidelines which are posted at

http://www.apple.com/legal/guidelinesfor3rdparties.html. 11. Ownership. Subject to the license under this License, each Contributor retains all rights, title and interest in and to any Mode such Contributor. Apple retains all rights, title and interest in and to the Original Code and made by or on behalf of Apple ("Apple Modifications"), and such Apple Modifications will not be subject to this License. Apple may, at its sole discretion, choose to license such Apple Modifithis License, or on different terms from those contained in this License or may choose not to all. 12. Termination. 12.1 Termination. This License and the rights granted hereunder will terautomatically without notice from Apple if You fail to comply with any term(s) of this License such breach within 30 days of becoming aware of such breach; (b) immediately in the event of a circumstances described in Section 13.5(b); or (c) automatically without notice from Apple if during the term of this License, commence an action for patent infringement against Apple; pro-Apple did not first commence an action for patent infringement against You in that instance. Termination. Upon termination, You agree to immediately stop any further use, reproduction, mo sublicensing and distribution of the Covered Code. All sublicenses to the Covered Code which A properly granted prior to termination shall survive any termination of this License. Provision nature, should remain in effect beyond the termination of this License shall survive, includin to Sections 3, 5, 8, 9, 10, 11, 12.2 and 13. No party will be liable to any other for compense damages of any sort solely as a result of terminating this License in accordance with its term termination of this License will be without prejudice to any other right or remedy of any part Miscellaneous. 13.1 Government End Users. The Covered Code is a "commercial item" as defined is 2.101. Government software and technical data rights in the Covered Code include only those recustomarily provided to the public as defined in this License. This customary commercial licer data and software is provided in accordance with FAR 12.211 (Technical Data) and 12.212 (Comp Software) and, for Department of Defense purchases, DFAR 252.227-7015 (Technical Data -- Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software

or Computer Software Documentation). Accordingly, all U.S. Government End Users acquire Cover with only those rights set forth herein. 13.2 Relationship of Parties. This License will not creating an agency, partnership, joint venture or any other form of legal association between Apple or any Contributor, and You will not represent to the contrary, whether expressly, by in appearance or otherwise. 13.3 Independent Development. Nothing in this License will impair Ap acquire, license, develop, have others develop for it, market and/or distribute technology or perform the same or similar functions as, or otherwise compete with, Modifications, Larger Wo or products that You may develop, produce, market or distribute. 13.4 Waiver; Construction. F. or any Contributor to enforce any provision of this License will not be deemed a waiver of fu of that or any other provision. Any law or regulation which provides that the language of a c construed against the drafter will not apply to this License. 13.5 Severability. (a) If for a competent jurisdiction finds any provision of this License, or portion thereof, to be unenfor provision of the License will be enforced to the maximum extent permissible so as to effect t benefits and intent of the parties, and the remainder of this License will continue in full f Notwithstanding the foregoing, if applicable law prohibits or restricts You from fully and/or complying with Sections 2 and/or 3 or prevents the enforceability of either of those Sections immediately terminate and You must immediately discontinue any use of the Covered Code and de copies of it that are in your possession or control. 13.6 Dispute Resolution. Any litigation resolution between You and Apple relating to this License shall take place in the Northern Di California, and You and Apple hereby consent to the personal jurisdiction of, and venue in, t federal courts within that District with respect to this License. The application of the Unit Convention on Contracts for the International Sale of Goods is expressly excluded. 13.7 Entire Governing Law. This License constitutes the entire agreement between the parties with respect matter hereof. This License shall be governed by the laws of the United States and the State except that body of California law concerning conflicts of law. Where You are located in the Quebec, Canada, the following clause applies: The parties hereby confirm that they have reque License and all related documents be drafted in English. Les parties ont exigé que le présent les documents connexes soient rédigés en anglais. EXHIBIT A. "Portions Copyright (c) 1999-200 All Rights Reserved. This file contains Original Code and/or Modifications of Original Code a that are subject to the Apple Public Source License Version 2.0 (the 'License'). You may not except in compliance with the

License. Please obtain a copy of the License at http://www.opensource.apple.com/apsl/ and read using this file. The Original Code and all software distributed under the License are distribubasis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitation

License."

```
davld is an AV1 decoder :)
```

Project Homepage: https://code.videolan.org/videolan/dav1d Copyright (c) 2018, VideoLAN and davld authors All rights reserved. Redistribution and use in binary forms, with or without modification, are permitted provided that the following conditi-Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Dawn

Project Homepage: https://dawn.googlesource.com/dawn

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and dist defined by Sections 1 through 9 of this document. "Licensor" shall mean the copyright owner o authorized by the copyright owner that is granting the License. "Legal Entity" shall mean the acting entity and all other entities that control, are controlled by, or are under common con For the purposes of this definition, "control" means (i) the power, direct or indirect, to ca management of such entity, whether by contract or otherwise, or (ii) ownership of fifty perce of the outstanding shares, or (iii) beneficial ownership of such entity. "You" (or "Your") sh individual or Legal Entity exercising permissions granted by this License. "Source" form shal preferred form for making modifications, including but not limited to software source code, d source, and configuration files. "Object" form shall mean any form resulting from mechanical or translation of a Source form, including but not limited to compiled object code, generated and conversions to other media types. "Work" shall mean the work of authorship, whether in So Object form, made available under the License, as indicated by a copyright notice that is inc attached to the work (an example is provided in the Appendix below). "Derivative Works" shall work, whether in Source or Object form, that is based on (or derived from) the Work and for w editorial revisions, annotations, elaborations, or other modifications represent, as a whole, authorship. For the purposes of this License, Derivative Works shall not include works that re from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works the "Contribution" shall mean any work of authorship, including the original version of the Work modifications or additions to that Work or Derivative Works thereof, that is intentionally su for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorizbehalf of the copyright owner. For the purposes of this definition, "submitted" means any for verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by the owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Cont:

been received by Licensor and subsequently incorporated within the Work. 2. Grant of Copyrigh Subject to the terms and conditions of this License, each Contributor hereby grants to You a worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work Derivative Works in Source or Object form. 3. Grant of Patent License. Subject to the terms a this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no royalty-free, irrevocable (except as stated in this section) patent license to make, have made sell, sell, import, and otherwise transfer the Work, where such license applies only to those licensable by such Contributor that are necessarily infringed by their Contribution(s) alone of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You in litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging Contribution incorporated within the Work constitutes direct or contributory patent infringem patent licenses granted to You under this License for that Work shall terminate as of the date is filed. 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative any medium, with or without modifications, and in Source or Object form, provided that You me following conditions: (a) You must give any other recipients of the Work or Derivative Works . License; and (b) You must cause any modified files to carry prominent notices stating that Yo files; and (c) You must retain, in the Source form of any Derivative Works that You distribute patent, trademark, and attribution notices from the Source form of the Work, excluding those : not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and

do not modify the License. You may add Your own attribution notices within Derivative Works t distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such attribution notices cannot be construed as modifying the License. You may add Your own copyristatement to Your modifications and may provide additional or different license terms and conreproduction, or distribution of Your modifications, or for any such Derivative Works as a wh Your use, reproduction, and distribution of the Work otherwise complies with the conditions s License. 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribut submitted for inclusion in the Work by You to the Licensor shall be under the terms and condi License, without any additional terms or conditions. Notwithstanding the above, nothing herei supersede or modify the terms of any separate license agreement you may have executed with Li regarding such Contributions. 6. Trademarks. This License does not grant permission to use the names, trademarks, service marks, or product names of the Licensor, except as required for recustomary use in describing the origin of the Work and reproducing the content of the NOTICE Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor p (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warrant conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistrib Work and assume any risks associated with Your exercise of permissions under this License. 8. Liability. In no event and under no legal theory, whether in tort (including negligence), con unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to any Contributor be liable to You for damages, including any direct, indirect, special, incide consequential damages of any character arising as a result of this License or out of the use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer malfunction, or any and all other commercial damages or losses), even if such Contributor has of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redi or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of sup indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify,

defend, and hold each Contributor harmless for any liability incurred by, or claims asserted a Contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" own identifying information. (Don't include the brackets!) The text should be enclosed in the comment syntax for the file format. We also recommend that a file or class name and description be included on the same "printed page" as the copyright notice for easier identification with archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version "License"); you may not use this file except in compliance with the License. You may obtain a License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or age writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WA OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. dom-distiller-js

Project Homepage: https://github.com/chromium/dom-distiller

Copyright 2014 The Chromium Authors. All rights reserved. Redistribution and use in source and forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of conditions disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this is and the following disclaimer in the documentation and/or other materials provided with the disclaimer the name of Google Inc. nor the names of its contributors may be used to endorse or products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS

"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Parts of the following directories are availably under Apache v2.0 src/de Copyright (c) 2009-2011 Christian Kohlschütter third party/gwt expor 2007 Timepedia.org third party/gwt-2.5.1 Copyright 2008 Google java/org/chromium/distiller/de 2008 Google Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AN CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through document. "Licensor" shall mean the copyright owner or entity authorized by the copyright own granting the License. "Legal Entity" shall mean the union of the acting entity and all other are controlled by, or are under common control with that entity. For the purposes of this def means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m

including but not limited to software source code, documentation source, and configuration files. "Object" form shall mean any form resulting from mechanical transformation or translat form, including but not limited to compiled object code, generated documentation, and convers media types. "Work" shall mean the work of authorship, whether in Source or Object form, made under the License, as indicated by a copyright notice that is included in or attached to the is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source form, that is based on (or derived from) the Work and for which the editorial revisions, anno elaborations, or other modifications represent, as a whole, an original work of authorship. F. this License, Derivative Works shall not include works that remain separable from, or merely name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co. mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the Work and such Derivative Works in S form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each C grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (ex this section) patent license to make, have made, use, offer to sell, sell, import, and otherw Work, where such license applies only to those patent claims licensable by such Contributor t necessarily infringed by their Contribution(s) alone or by combination of their Contribution(which such Contribution(s) was submitted. If You institute patent litigation against any enti cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporate constitutes direct or contributory patent infringement, then any patent licenses granted to $Y_{\rm c}$ License for that Work shall terminate as of the date such litigation is filed. 4. Redistribut reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with o modifications, and in

Source or Object form, provided that You meet the following conditions: You must give any oth the Work or Derivative Works a copy of this License; and You must cause any modified files to prominent notices stating that You changed the files; and You must retain, in the Source form Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W. Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works tha must include a readable copy of the attribution notices contained within such NOTICE file, ex notices that do not pertain to any part of the Derivative Works, in at least one of the follo NOTICE text file distributed as part of the Derivative Works; within the Source form or docum provided along with the Derivative Works; or, within a display generated by the Derivative Wo wherever such third-party notices normally appear. The contents of the NOTICE file are for in purposes only and do not modify the License. You may add Your own attribution notices within Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, prov such additional attribution notices cannot be construed as modifying the License. You may add copyright statement to Your modifications and may provide additional or different license term conditions for use, reproduction, or distribution of Your modifications, or for any such Deri

whole, provided Your use, reproduction, and distribution of the Work otherwise complies with stated in this License. 5. Submission of Contributions. Unless You explicitly state otherwise intentionally submitted for inclusion in the Work by You to the Licensor shall be under the t conditions of this License, without any additional terms or conditions. Notwithstanding the a herein shall supersede or modify the terms of any separate license agreement you may have exe Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission trade names, trademarks, service marks, or product names of the Licensor, except as required reasonable and customary use in describing the origin of the Work and reproducing the content NOTICE file. 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in wri provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITH WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using o redistributing the Work and assume any risks associated with Your exercise of permissions und License. 8. Limitation of Liability. In no event and under no legal theory, whether in tort (negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and a commercial damages or losses), even if such Contributor has been advised of the possibility o damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such

may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Co only if You agree to indemnify, defend, and hold each Contributor harmless for any liability : claims asserted against, such Contributor by reason of your accepting any such warranty or add liability. END OF TERMS AND CONDITIONS

dynamic annotations

Project Homepage: http://code.google.com/p/data-race-test/wiki/DynamicAnnotations

/* Copyright (c) 2008-2009, Google Inc. * All rights reserved. * * Redistribution and use in forms, with or without * modification, are permitted provided that the following conditions a Redistributions of source code must retain the above copyright * notice, this list of conditifollowing disclaimer. * * Neither the name of Google Inc. nor the names of its * contributors endorse or promote products derived from * this software without specific prior written permi SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR * A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT * OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE * OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. * * --- * Author: Kostya Serebryany * / Emoji Segmenter

Project Homepage: https://github.com/googleil8n/emoji-segmenter Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 3 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. Fo this definition, "submitted" means any form of electronic, verbal, or written communication set Licensor or its representatives, including but not limited to communication on electronic mai code control systems, and issue tracking systems that are managed by, or on behalf of, the Li purpose of discussing and improving the Work, but excluding communication that is conspicuous otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" Licensor and any individual or Legal Entity on behalf of whom a Contribution has been receive and subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W. the Work includes a "NOTICE" text file as part of its

distribution, then any Derivative Works that You distribute must include a readable copy of the notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribute Derivative Works; within the Source form or documentation, if provided along with the Derivat.

within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co. modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all

other commercial damages or losses), even if such Contributor has been advised of the possibi damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or ad liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright [yyyy] [name of copyright owner] License Apache License, Version 2.0 (the "License"); you may not use this file except in compliance w You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless req applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Expat XML Parser

Project Homepage: https://github.com/libexpat/libexpat

Copyright (c) 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper Copyright (c) 20 Expat maintainers Permission is hereby granted, free of charge, to any person obtaining a copy software and associated documentation files (the "Software"), to deal in the Software without including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the furnished to do so, subject to the following conditions: The above copyright notice and this y shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROV IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. fdlibm

Project Homepage: http://www.netlib.org/fdlibm/

Copyright (C) 1993-2004 by Sun Microsystems, Inc. All rights reserved. Developed at SunSoft, Microsystems, Inc. business. Permission to use, copy, modify, and distribute this software is provided that this notice is preserved.

ffmpeg

Project Homepage: http://ffmpeg.org/

License Most files in FFmpeg are under the GNU Lesser General Public License version 2.1 or v2.1+). Read the file `COPYING.LGPLv2.1` for details. Some other files have MIT/X11/BSD-style combination the LGPL v2.1+ applies to FFmpeg. Some optional parts of FFmpeg are licensed unde GNU General Public License version 2 or later (GPL v2+). See the file `COPYING.GPLv2` for det of these parts are used by default, you have to explicitly pass `--enable-gpl` to configure t this case, FFmpeg's license changes to GPL v2+. Specifically, the GPL parts of FFmpeg are: optional x86 optimization in the files - `libavcodec/x86/flac_dsp_gpl.asm` - `libavcodec/x86/ `libavfilter/x86/vf removegrain.asm`

- the following building and testing tools - `compat/solaris/make_sunver.pl` - `doc/t2h.pm` - `libswresample/tests/swresample.c` - `tests/checkasm/*` - `tests/tiny_ssim.c` - the following libavfilter: - `signature_lookup.c` - `vf_blackframe.c` - `vf_boxblur.c` - `vf_colormatrix.c` `vf_cropdetect.c` - `vf_delogo.c` - `vf_eq.c` - `vf_find_rect.c` - `vf_fspp.c` - `vf_histeq.c `vf_kerndeint.c` - `vf_lensfun.c` (GPL version 3 or later) - `vf_mcdeint.c` - `vf_mpdecimate. `vf_owdenoise.c` - `vf_perspective.c` - `vf_phase.c` - `vf_pp.c` - `vf_pp7.c` - `vf_pullup.c` - `vf_sab.c` - `vf_signature.c` - `vf_smartblur.c` - `vf_spp.c` - `vf_stereo3d.c` - `vf_super `vf_tinterlace.c` - `vf_uspp.c` - `vf_vaguedenoiser.c` - `vsrc_mptestsrc.c` Should you, for wi prefer to use version 3 of the (L)GPL, then the configure parameter `--enable-version3` will clicensing option for you. Read the file `COPYING.LGPLv3` or, if you have enabled GPL parts, `COPYING.GPLv3` to learn the exact legal terms that apply in this case. There are a handful o other licensing terms, namely: * The files `libavcodec/jfdctfst.c`, `libavcodec/jfdctint_temp `libavcodec/jfevdt.c` are taken from libjpeg, see the top of the files for licensing details you must credit the IJG in the documentation accompanying your program if you only distribute You must also indicate any changes including additions and deletions to

those three files in the documentation. * `tests/reference.pnm` is under the expat license. # libraries FFmpeg can be combined with a number of external libraries, which sometimes affect of binaries resulting from the combination. ### Compatible libraries The following libraries version 2: - avisynth - freiOr - libcdio - libdavs2 - librubberband - libvidstab - libx264 libxavs2 - libxvid When combining them with FFmpeg, FFmpeg needs to be licensed as GPL as wel passing `--enable-gpl` to configure. The following libraries are under LGPL version 3: - gmp liblensfun When combining them with FFmpeg, use the configure option `--enable-version3` to up FFmpeg to the LGPL v3. The VMAF, mbedTLS, RK MPI, OpenCORE and VisualOn libraries are under to Apache License 2.0. That license is incompatible with the LGPL v2.1 and the GPL v2, but not w of those licenses. So to combine these libraries with FFmpeg, the license version needs to be passing `--enable-version3` to configure. The smbclient library is under the GPL v3, to combine FFmpeg, the options `--enable-gpl` and `--enable-version3` have to be passed to configure to FFmpeg to the GPL v3. ### Incompatible libraries There are certain libraries you can combine whose licenses are not compatible with the GPL and/or the LGPL. If you wish to enable these 1 in circumstances that their license may be incompatible, pass `--enable-nonfree` to configure the resulting binary to be unredistributable. The Fraunhofer FDK AAC and OpenSSL libraries are licenses which are incompatible with the GPLv2 and v3. To the best of our knowledge, they are libavcodec/arm/jrevdct_arm.S C-like prototype : void j_rev_dct_arm(DCTBLOCK data) With DCTBLO being a pointer to an array of 64 'signed shorts' Copyright (c) 2001 Lionel Ulmer (lionel.ulm bbrox@bbrox.org) Permission is hereby granted, free of charge, to any person obtaining a copy software and associated documentation files (the "Software"), to deal in the Software without including without limitation the rights to use, copy, modify, merge, publish, distribute, sub copies of the Software, and to permit persons to whom the Software is furnished to do so, sub following conditions: The above copyright notice and this permission notice shall be included substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. ARMv6 optimisations Copyright (c) 2010 Google Inc. Copyright (c) 2010 Rob Clark <rob@ti.com Copyright (c) 2011 Mans Rullgard <mans@mansr.com> This file is part of FFmpeg. FFmpeg i software; you can redistribute it and/or modify it under the terms of the GNU Lesser General as published by the Free Software Foundation; either version 2.1 of the License, or (at your version. FFmpeg is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GN General Public License along with FFmpeg; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA This code was pa from libvpx, which uses this license: Redistribution and use in source and binary forms, with modification, are permitted provided that the following conditions are met: * Redistributions must retain the above copyright notice, this list of conditions and the following disclaimer. binary form must reproduce the above copyright notice, this list of conditions and the follow the documentation and/or other materials provided with the distribution. \star Neither the name o names of its contributors may be used to endorse or promote products derived from this softwa specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Copyright (c) 2012 MIPS Technologies, Inc., California. Redistribution and use in source and with or without modification, are permitted provided that the following conditions are met: 1 source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of the MIPS Technologies, Inc., nor the names of its contributors may be used to endorse products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE MIPS TECHNOLOGIES, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MIPS TECHNOLOGIES, INC. BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Author: Nedeljko Babic (nbabic@mips.com) various filters for ACELP-based codecs optimized for MIPS This file is part of FFmpeg. FFmpeg software; you can redistribute it and/or modify it under the terms of the GNU Lesser General P as published by the Free Software Foundation; either version 2.1 of the License, or (at your of version. FFmpeg is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; we even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU General Public License along with FFmpeg; if not, write to the Free Software Foundation, Inc., Street, Fifth Floor, Boston, MA 02110-1301 USA

libavcodec/mips/acelp_vectors_mips.c Copyright (c) 2012 MIPS Technologies, Inc., California. and use in source and binary forms, with or without modification, are permitted provided that conditions are met: 1. Redistributions of source code must retain the above copyright notice, conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the notice, this list of conditions and the following disclaimer in the documentation and/or othe provided with the distribution. 3. Neither the name of the MIPS Technologies, Inc., nor the n contributors may be used to endorse or promote products derived from this software without sp written permission. THIS SOFTWARE IS PROVIDED BY THE MIPS TECHNOLOGIES, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MIPS TECHNOLOGIES, INC. BE LIABLE FOR ANY DIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

 with or without modification, are permitted provided that the following conditions are met: 1 source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of the MIPS Technologies, Inc., nor the names of its contributors may be used to endorse products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE MIPS TECHNOLOGIES, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MIPS TECHNOLOGIES, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Author: Nedeljko Babic (nbabic@mips.com) This file is part of FFmpeg. FFmpeg is free software redistribute it and/or modify it under the terms of the GNU Lesser General Public License as Free Software Foundation; either version 2.1 of the License, or (at your option) any later ve distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the im warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser Ge. License along with FFmpeg; if not, write to the Free Software Foundation, Inc., 51 Franklin S libavcodec/mips/celp filters mips.c Copyright (c) 2012 MIPS Technologies, Inc., California. R. and use in source and binary forms, with or without modification, are permitted provided that conditions are met: 1. Redistributions of source code must retain the above copyright notice, conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the notice, this list of conditions and the following disclaimer in the documentation and/or othe provided with the distribution. 3. Neither the name of the MIPS Technologies, Inc., nor the n contributors may be used to endorse or promote products derived from this software without sp written permission. THIS SOFTWARE IS PROVIDED BY THE MIPS TECHNOLOGIES, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MIPS TECHNOLOGIES, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Author: Nedeljko Babic (nbabic@mips.com) various filters for CELP based codecs optimized for MIPS This file is part of FFmpeg. FFmpeg is free software; you can redistribute it and/or modify it under the terms of the GNU Public License as published by the Free Software Foundation; either version 2.1 of the License option) any later version. FFmpeg is distributed in the hope that it will be useful, but WITH WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received of the GNU Lesser General Public License along with FFmpeg; if not, write to the Free Softward Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Copyright (c) 2012 MIPS Technologies, Inc., California. Redistribution and use in source and with or without modification, are permitted provided that the following conditions are met: 1 source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of the MIPS Technologies, Inc., nor the names of its contributors may be used to endorse products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE MIPS TECHNOLOGIES, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MIPS TECHNOLOGIES, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Author: Nedeljko Babic (nbabic@mips.com) Math operations optimized for MIPS This file FFmpeg. FFmpeg is free software; you can redistribute it and/or modify it under the terms of General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. FFmpeg is distributed in t be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with FFmpeg; i to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 (c) 2012 MIPS Technologies, Inc., California. Redistribution and use in source and binary form without modification, are permitted provided that the following conditions are met: 1. Redist code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of the MIPS Technologies, Inc., nor the names of its contributors may be used to endorse products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE MIPS TECHNOLOGIES, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MIPS TECHNOLOGIES, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Author: Stanislav Ocovaj (socovaj@mips.com) Author: Zoran Lukic (zoranl@mips.com) Opt MDCT/IMDCT and FFT transforms This file is part of FFmpeg. FFmpeg is free software; you can r it and/or modify it under the terms of the GNU Lesser General Public License as published by Software Foundation; either version 2.1 of the License, or (at your option) any later version distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You sho have received a copy of the GNU Lesser General Public License along with FFmpeg; if not, write

Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

libavcodec/mips/mpegaudiodsp mips float.c Copyright (c) 2012 MIPS Technologies, Inc., Califor. Redistribution and use in source and binary forms, with or without modification, are permitte the following conditions are met: 1. Redistributions of source code must retain the above cop this list of conditions and the following disclaimer. 2. Redistributions in binary form must copyright notice, this list of conditions and the following disclaimer in the documentation a materials provided with the distribution. 3. Neither the name of the MIPS Technologies, Inc., its contributors may be used to endorse or promote products derived from this software withou written permission. THIS SOFTWARE IS PROVIDED BY THE MIPS TECHNOLOGIES, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MIPS TECHNOLOGIES, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Author: Bojan Zivkovic (bojan@mips.com) MPEG Audio decoder optimized for MIPS floating-point architecture This file is part of FFmpeg. FFmpeg is free so redistribute it and/or modify it under the terms of the GNU Lesser General Public License as Free Software Foundation; either version 2.1 of the License, or (at your option) any later ve distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the im warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

dct/x86_asm/fdct_sse2_skal.asm in Xvid. Vertical pass is an implementation of the scheme: Loe Ligtenberg A., and Moschytz C.S.: Practical Fast 1D DCT Algorithm with Eleven Multiplications ICASSP 1989, 988-991. Horizontal pass is a double 4x4 vector/matrix multiplication, (see also Application Note 922: http://developer.intel.com/vtune/cbts/strmsimd/922down.htm Copyright (C Corporation) More details at http://skal.planet-d.net/coding/dct.html ======= MMX and XMM for discrete cosine transform ====== Copyright(C) 2001 Peter Ross <pross@xvid.org> Origina by Intel at AP-922 http://developer.intel.com/vtune/cbts/strmsimd/922down.htm (See more app n-http://developer.intel.com/vtune/cbts/strmsimd/922down.htm (See more app n-http://developer.intel.com/vtune/cbts/strmsimd/appnotes.htm) but in a limited edition. New mata column part for precise iDCT The routine precision now satisfies IEEE standard 1180-1990. C 2000-2001 Peter Gubanov <peter@elecard.net.ru> Rounding trick Copyright(C) 2000 Michel % <walken@zoy.org> http://www.elecard.com/peter/idct.html http://www.linuxvideo.org/mpeg2/examples contain code fragments for first stage iDCT 8x8 (for rows) and first stage DCT 8x8 (conversion to gcc syntax by Michael Niedermayer

 received a copy of the GNU Lesser General Public License along with FFmpeg; if not, write to a Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Copyright (C) 2005 Matthieu CASTET, Alex Beregszaszi Permission is hereby granted, free of ch. person obtaining a copy of this software and associated documentation files (the "Software"), Software without restriction, including without limitation the rights to use, copy, modify, m distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the furnished to do so, subject to the following conditions: The above copyright notice and this shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROV IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, at the Software, and to permit persons to whom the Software is furnished to do so, subject to the conditions: The above copyright notice and this permission notice shall be included in all cosubstantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

 "AS IS", and you, its user, assume the entire risk as to its quality and accuracy. This software 1994-1996, Thomas G. Lane. All Rights Reserved except as specified below. Permission is hereby to use, copy, modify, and distribute this software (or portions thereof) for any purpose, with these conditions: (1) If any part of the source code for this software is distributed, then the must be included, with this copyright and no-warranty notice unaltered; and any additions, dei changes to the original files must be clearly indicated in accompanying documentation. (2) If code is distributed, then the accompanying documentation must state that "this software is bas the work of the Independent JPEG Group". (3) Permission for use of this software is granted or accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY of any kind. These conditions apply to any software derived from or based on the IJG code, not unmodified library. If you use our work, you ought to acknowledge us. Permission is NOT granted of any IJG author's name or company name in advertising or publicity relating to this software derived from it. This software may be referred to only as "the Independent JPEG Group's software specifically permit and encourage the use of this software as the basis of commercial products all warranty or liability claims are assumed by the product vendor.

libavcodec/mips/compute_antialias_fixed.h libavcodec/mips/compute_antialias_float.h

libavcodec/mips/lsp mips.h libavcodec/mips/sbrdsp mips.c libavutil/fixed dsp.c libavutil/fixe libavutil/mips/float dsp mips.c libavutil/mips/libm mips.h libavutil/softfloat tables.h Copyr Technologies, Inc., California. Redistribution and use in source and binary forms, with or wi are permitted provided that the following conditions are met: 1. Redistributions of source co above copyright notice, this list of conditions and the following disclaimer. 2. Redistribution must reproduce the above copyright notice, this list of conditions and the following disclaim documentation and/or other materials provided with the distribution. 3. Neither the name of t Technologies, Inc., nor the names of its contributors may be used to endorse or promote produ from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY TH TECHNOLOGIES, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MIPS TECHNOLOGIES, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Authors: Branimir Vasic (bvasic@mips.com) Darko Laus (darko@mips.com) Djordje Pesut (djordje@mips.com) Goran Cordasic (goran@mips.com) Nedelj Babic (nedeljko.babic imgtec com) Mirjana Vulin (mvulin@mips.com) Stanislav Ocovaj (socovaj@m libavformat/oggdec.c

libavformat/oggdec.h libavformat/oggparseogm.c libavformat/oggparsevorbis.c Copyright (C) 200 Ahlberg, Måns Rullgård Permission is hereby granted, free of charge, to any person obtaining this software and associated documentation files (the "Software"), to deal in the Software wi including without limitation the rights to use, copy, modify, merge, publish, distribute, sub copies of the Software, and to permit persons to whom the Software is furnished to do so, sub following conditions: The above copyright notice and this permission notice shall be included substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permi and distribute verbatim copies of this license document, but changing it is not allowed. [Thi released version of the Lesser GPL. It also counts as the successor of the GNU Library Public version 2, hence the version number 2.1.] Preamble The licenses for most software are designed away your freedom to share and change it. By contrast, the GNU General Public Licenses are in guarantee your freedom to share and change free software--to make sure the software is free f This license, the Lesser General Public License, applies to some specially designated softwar typically libraries--of the Free Software Foundation and other authors who decide to use it. too, but we suggest you first think carefully about whether this license or the ordinary Gene is the better strategy to use in any particular case, based on the explanations below. When w software, we are referring to freedom of use,

not price. Our General Public Licenses are designed to make sure that you have the freedom to copies of free software (and charge for this service if you wish); that you receive source co you want it; that you can change the software and use pieces of it in new free programs; and informed that you can do these things. To protect your rights, we need to make restrictions t distributors to deny you these rights or to ask you to surrender these rights. These restrict certain responsibilities for you if you distribute copies of the library or if you modify it. distribute copies of the library, whether gratis or for a fee, you must give the recipients a gave you. You must make sure that they, too, receive or can get the source code. If you link the library, you must provide complete object files to the recipients, so that they can relin library after making changes to the library and recompiling it. And you must show them these know their rights. We protect your rights with a two-step method: (1) we copyright the librar you this license, which gives you legal permission to copy, distribute and/or modify the libr. each distributor, we want to make it very clear that there is no warranty for the free librar is modified by someone else and passed on, the recipients should know that what they have is original version, so that the original author's reputation will not be affected by problems t introduced by others. Finally, software patents pose a constant threat to the existence of an We wish to make sure that a company cannot effectively restrict the users of a free program b restrictive license from a patent holder. Therefore, we insist that any patent license obtain the library must be consistent with the full freedom of use specified in this license. Most G including some libraries, is covered by the ordinary GNU General Public License. This license Lesser General Public License, applies to certain designated libraries, and is quite differen General Public License. We use this license for certain libraries in order to permit linking non-free programs. When a program is linked with a library, whether statically or using a sha combination of the two is legally speaking a combined work, a derivative of the original libr. General Public License therefore permits such linking only if the entire combination fits its The Lesser General Public License permits more lax criteria for linking other code with the l this license the "Lesser" General Public License because it does Less to protect the user's f ordinary General

Public License. It also provides other free software developers Less of an advantage over comp free programs. These disadvantages are the reason we use the ordinary General Public License : libraries. However, the Lesser license provides advantages in certain special circumstances. I rare occasions, there may be a special need to encourage the widest possible use of a certain it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the more frequent case is that a free library does the same job as widely used non-free libraries there is little to gain by limiting the free library to free software only, so we use the Les License. In other cases, permission to use a particular library in non-free programs enables of people to use a large body of free software. For example, permission to use the GNU C Libr. programs enables many more people to use the whole GNU operating system, as well as its varia: GNU/Linux operating system. Although the Lesser General Public License is Less protective of freedom, it does ensure that the user of a program that is linked with the Library has the freedom. wherewithal to run that program using a modified version of the Library. The precise terms an copying, distribution and modification follow. Pay close attention to the difference between the library" and a "work that uses the library". The former contains code derived from the li latter must be combined with the library in order to run. GNU LESSER GENERAL PUBLIC LICENSE T AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software library or other program which contains a notice placed by the copyriother authorized party saying it may be distributed under the terms of this Lesser General Pui (also called "this License"). Each licensee is addressed as "you". A "library" means a collec functions and/or data prepared so as to be conveniently linked with application programs (whi those functions and data) to form executables. The "Library", below, refers to any such softw work which has been distributed under these terms. A "work based on the Library" means either or any derivative work under copyright law: that is to say, a work containing the Library or either verbatim or with modifications and/or translated straightforwardly into another langua translation is included without limitation in the term "modification".) "Source code" for a w preferred form of the work for making modifications to it. For a library, complete source cod all the source code for all modules it contains, plus any associated interface definition filused to control compilation and installation of the library. Activities other than copying, d modification are not covered by this License; they are outside its scope. The act of running the Library is not restricted, and output from such a program is covered only if its contents based on the Library (independent of the use of the Library in a tool for writing it). Whethe depends on what the Library does and what the program that uses the Library does. 1. You may distribute verbatim copies of the Library's complete source code as you receive it, in any me that you conspicuously and appropriately publish on each copy an appropriate copyright notice disclaimer of warranty; keep intact all the notices that refer to this License and to the abs warranty; and distribute a copy of this License along with the Library. You may charge a fee act of transferring a copy, and you may at your option offer warranty protection in exchange may modify your copy or copies of the Library or any portion of it, thus forming a work based and copy and distribute such modifications or work under the terms of Section 1 above, providalso meet all of these conditions: a) The modified work must itself be a software library. b) the files modified to carry prominent notices stating that you changed the files and the date You must cause the whole of the work to be licensed at no charge to all third parties under t License. d) If a facility in the modified Library refers to a function or a table of data to 2 application program that uses the facility, other than as an argument passed when the facilit you must make a good faith effort to ensure that, in the event an application does not supply table, the facility still operates, and performs whatever part of its purpose remains meaning a function in a library to compute square roots has a purpose that is entirely well-defined i. application. Therefore, Subsection 2d requires that any application-supplied function or table function must be optional: if the application does not supply it, the square root function mu square roots.) These requirements apply to the modified work as a whole. If identifiable sect are not derived from the Library, and can be reasonably considered independent and separate w themselves, then this License, and its terms, do not apply to those sections when you distrib separate works. But when you distribute the same sections as part of a whole which is a work Library, the distribution of the whole must be on the terms of this License, whose permission

licensees extend to the entire whole, and thus to each and every part regardless of who wrote not the intent of this section to claim rights or contest your rights to work written entirel intent is to exercise the right to control the distribution of derivative or collective works In addition, mere aggregation of another work not based on the Library with the Library (or w on the Library) on a volume of a storage or distribution medium does not bring the other work scope of this License. 3. You may opt to apply the terms of the ordinary GNU General Public L of this License to a given copy of the Library. To do this, you must alter all the notices th License, so that they refer to the ordinary GNU General Public License, version 2, instead of (If a newer version than version 2 of the ordinary GNU General Public License has appeared, t specify that version instead if you wish.) Do not make any other change in these notices. Once made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public Li all subsequent copies and derivative works made from that copy. This option is useful when yo part of the code of the Library into a program that is not a library. 4. You may copy and dis (or a portion or derivative of it, under Section 2) in object code or executable form under t Sections 1 and 2 above provided that you accompany it with the complete corresponding machine source code, which must be distributed under the terms of Sections 1 and 2 above on a medium used for software interchange. If distribution of object code is made by offering access to c designated place, then offering equivalent access to copy the source code from the same place requirement to distribute the source code, even though third parties are not compelled to cop along with the object code. 5. A program that contains no derivative of any portion of the Li designed to work with the Library by being compiled or linked with it, is called a "work that Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside License. However, linking a "work that uses the Library" with the Library creates an executab derivative of the Library (because it

contains portions of the Library), rather than a "work that uses the library". The executable covered by this License. Section 6 states terms for distribution of such executables. When a the Library" uses material from a header file that is part of the Library, the object code fo derivative work of the Library even though the source code is not. Whether this is true is es if the work can be linked without the Library, or if the work is itself a library. The thresh not precisely defined by law. If such an object file uses only numerical parameters, data str accessors, and small macros and small inline functions (ten lines or less in length), then the file is unrestricted, regardless of whether it is legally a derivative work. (Executables con code plus portions of the Library will still fall under Section 6.) Otherwise, if the work is Library, you may distribute the object code for the work under the terms of Section 6. Any excontaining that work also fall under Section 6, whether or not they are linked directly with As an exception to the Sections above, you may also combine or link a "work that uses the Lib Library to produce a work containing portions of the Library, and distribute that work under choice, provided that the terms permit modification of the work for the customer's own use an engineering for debugging such modifications. You must give prominent notice with each copy o that the Library is used in it and that the Library and its use are covered by this License. copy of this License. If the work during execution displays copyright notices, you must inclunotice for the Library among them, as well as a reference directing the user to the copy of t you must do one of these things: a) Accompany the work with the complete corresponding machine source code for the Library including whatever changes were used in the work (which must be d under Sections 1 and 2 above); and, if the work is an executable linked with the Library, wit machine-readable "work that uses the Library", as object code and/or source code, so that the modify the Library and then relink to produce a modified executable containing the modified L understood that the user who changes the contents of definitions files in the Library will no able to recompile the application to use the modified definitions.) b) Use a suitable shared for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of present on the user's computer system, rather than copying library functions into the executal operate properly with a modified version of the library, if

the user installs one, as long as the modified version is interface-compatible with the version was made with. c) Accompany the work with a written offer, valid for at least three years, to user the materials specified in Subsection 6a, above, for a charge no more than the cost of p distribution. d) If distribution of the work is made by offering access to copy from a design equivalent access to copy the above specified materials from the same place. e) Verify that t already received a copy of these materials or that you have already sent this user a copy. Fo the required form of the "work that uses the Library" must include any data and utility progra reproducing the executable from it. However, as a special exception, the materials to be dist include anything that is normally distributed (in either source or binary form) with the majo (compiler, kernel, and so on) of the operating system on which the executable runs, unless the itself accompanies the executable. It may happen that this requirement contradicts the license other proprietary libraries that do not normally accompany the operating system. Such a contra you cannot use both them and the Library together in an executable that you distribute. 7. Yo library facilities that are a work based on the Library side-by-side in a single library toge facilities not covered by this License, and distribute such a combined library, provided that distribution of the work based on the Library and of the other library facilities is otherwise provided that you do these two things: a) Accompany the combined library with a copy of the s based on the Library, uncombined with any other library facilities. This must be distributed the Sections above. b) Give prominent notice with the combined library of the fact that part based on the Library, and explaining where to find the accompanying uncombined form of the sa You may not copy, modify, sublicense, link with, or distribute the Library except as expressl this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the will automatically terminate your rights under this License. However, parties who have receive rights, from you under this License will not have their licenses terminated so long as such p. full compliance. 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or works. These actions are prohibited by law if you do not accept this License. Therefore, by m distributing the Library (or any work based on the Library), you indicate your acceptance of so, and all its terms and conditions for copying, distributing or modifying the Library or wo Each time you redistribute the Library (or any work based on the Library), the recipient auto a license from the original licensor to copy, distribute, link with or modify the Library sub and conditions. You may not impose any further restrictions on the recipients' exercise of the herein. You are not responsible for enforcing compliance by third parties with this License. consequence of a court judgment or allegation of patent infringement or for any other reason patent issues), conditions are imposed on you (whether by court order, agreement or otherwise contradict the conditions of this License, they do not excuse you from the conditions of this cannot distribute so as to satisfy simultaneously your obligations under this License and any obligations, then as a consequence you may not distribute the Library at all. For example, if would not permit royalty-free redistribution of the Library by all those who receive copies d through you, then the only way you could satisfy both it and this License would be to refrain distribution of the Library. If any portion of this section is held invalid or unenforceable circumstance, the balance of the section is intended to apply, and the section as a whole is in other circumstances. It is not the purpose of this section to induce you to infringe any p property right claims or to contest validity of any such claims; this section has the sole pu the integrity of the free software distribution system which is implemented by public license people have made generous contributions to the wide range of software distributed through tha reliance on consistent application of that system; it is up to the author/donor to decide if I distribute software through any other system and a licensee cannot impose that choice. This set intended to make thoroughly clear what is believed to be a consequence of the rest of this Li distribution and/or use of the Library is restricted in certain countries either by patents o interfaces, the original copyright holder who places the Library under this License may add a geographical distribution limitation excluding those countries, so that distribution is permi among countries not thus excluded. In such case, this License incorporates the limitation as body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser Genera License from time to time. Such new versions will be similar in spirit to the present version detail to address new problems or concerns. Each version is given a distinguishing version num Library specifies a version number of this License which applies to it and "any later version option of following the terms and conditions either of that version or of any later version p Software Foundation. If the Library does not specify a license version number, you may choose ever published by the Free Software Foundation. 14. If you wish to incorporate parts of the L free programs whose distribution conditions are incompatible with these, write to the author permission. For software which is copyrighted by the Free Software Foundation, write to the F Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goa preserving the free status of all derivatives of our free software and of promoting the shari. software generally. NO WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the possible use to the public, we recommend making it free software that everyone can redistribu You can do so by permitting redistribution under these terms (or, alternatively, under the te ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach ther source file to most effectively convey the exclusion of warranty; and each file should have at "copyright" line and a pointer to where the full notice is found. <one line to give the lib brief idea of what it does.> Copyright (C) <year> <name of author> This library you can redistribute it and/or modify it under the terms of the GNU Lesser General Public Lice published by the Free Software Foundation; either version 2.1 of the License, or (at your opt: version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARR& even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU General Public License along with this library; if not, write to the Free Software Foundation, Street, Fifth Floor, Boston, MA 02110-1301 USA Also add information on how to contact you by o and paper mail. You should also get your employer (if you work as a programmer) or your school sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the name: hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) Random Hacker. <signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice That's a Fiat-Crypto: Synthesizing Correct-by-Construction Code forCryptographic Primitives Project Homepage: https://github.com/mit-plv/fiat-crypto

The MIT License (MIT) Copyright (c) 2015-2016 the fiat-crypto authors (see https://github.com crypto/blob/master/AUTHORS). Permission is hereby granted, free of charge, to any person obta of this software and associated documentation files (the "Software"), to deal in the Software restriction, including without limitation the rights to use, copy, modify, merge, publish, di and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this r shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROV IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OB OTHER DEALINGS IN THE SOFTWARE.

flac

Project Homepage: http://downloads.xiph.org/releases/flac/flac-1.3.1.tar.xz Copyright (C) 2000-2009 Josh Coalson Copyright (C) 2011-2014 Xiph.Org Foundation Redistribution use in source and binary forms, with or without modification, are permitted provided that the conditions are met: - Redistributions of source code must retain the above copyright notice, a conditions and the following disclaimer. - Redistributions in binary form must reproduce the a notice, this list of conditions and the following disclaimer in the documentation and/or other provided with the distribution. - Neither the name of the Xiph.org Foundation nor the names of may be used to endorse or promote products derived from this software without specific prior of permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS

OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

FlatBuffers

Project Homepage: https://github.com/google/flatbuffers

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me-"Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 1 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. Fo this definition, "submitted" means any form of electronic, verbal, or written communication s Licensor or its representatives, including but not limited to communication on electronic mai code control systems, and issue tracking systems that are managed by, or on behalf of, the Li purpose of discussing and improving the Work, but excluding communication that is conspicuous otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received and subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W. the Work includes a "NOTICE" text file as part of its

distribution, then any Derivative Works that You distribute must include a readable copy of the notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribute Derivative Works; within the Source form or documentation, if provided along with the Derivate within a display generated by the Derivative Works, if and wherever such third-party notices of The contents of the NOTICE file are for informational purposes only and do not modify the Lice add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be conmodifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all

other commercial damages or losses), even if such Contributor has been advised of the possibi damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or adliability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright 2014 Google Inc. Licensed under the Apa Version 2.0 (the "License"); you may not use this file except in compliance with the License. a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applic agreed to in writing, software distributed under the License is distributed on an "AS IS" BAS WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the spec language governing permissions and limitations under the License. fontconfig

Project Homepage: http://www.freedesktop.org/wiki/Software/fontconfig/

fontconfig/COPYING Copyright (c) 2000,2001,2002,2003,2004,2006,2007 Keith Packard Copyright (c) Patrick Lam Copyright (c) 2009 Roozbeh Pournader Copyright (c) 2008,2009 Red Hat, Inc. Copyright Danilo Šegan

Copyright (c) 2012 Google, Inc. Permission to use, copy, modify, distribute, and sell this so documentation for any purpose is hereby granted without fee, provided that the above copyrigh appear in all copies and that both that copyright notice and this permission notice appear in documentation, and that the name of the author(s) not be used in advertising or publicity per distribution of the software without specific, written prior permission. The authors make no about the suitability of this software for any purpose. It is provided "as is" without expres THE AUTHOR(S) DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

FreeType

Project Homepage: http://www.freetype.org/

The FreeType Project LICENSE ------ 2006-Jan-27 Copyright 1996-2002, 20 Turner, Robert Wilhelm, and Werner Lemberg Introduction ======== The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType various tools and contributions which rely on, or relate to, the FreeType Project. This licen files found in such packages, and which do not fall under their own explicit license. The lice the FreeType font engine, the test programs, documentation and makefiles, at the very least. Was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encou inclusion and use of free software in commercial and freeware products

alike. As a consequence, its main points are that: o We don't promise that this software work will be interested in any kind of bug reports. (`as is' distribution) o You can use this soft want, in parts or full form, without having to pay us. (`royalty-free' usage) o You may not p wrote this software. If you use it, or only parts of it, in a program, you must acknowledge s documentation that you have used the FreeType code. (`credits') We specifically permit and en inclusion of this software, with or without modifications, in commercial products. We disclaim covering The FreeType Project and assume no liability related to The FreeType Project. Finall asked us for a preferred form for a credit/disclaimer to use in compliance with this license. encourage you to use the following text: """ Portions of this software are copyright (c) < FreeType Project (www.freetype.org). All rights reserved. """ Please replace <year> wit license, the terms `package', `FreeType Project', and `FreeType archive' refer to the set of distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the `FreeTyp. be they named as alpha, beta or final release. `You' refers to the licensee, or person using `using' is a generic term including compiling the project's source code as well as linking it or `executable'. This program is referred to as `a program using the FreeType engine'. This l all files distributed in the original FreeType Project, including all source code, binaries a unless otherwise stated in the file in its original, unmodified form as distributed in the or are unsure whether or not a particular file is covered by

this license, you must contact us to verify this. The FreeType Project is copyright (C) 1996-Turner, Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below. 1. ----- THE FREETYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF

MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE

INABILITY TO USE, OF THE FREETYPE PROJECT. 2. Redistribution ------ This license g worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform display, copy, create derivative works of, distribute and sublicense the FreeType Project (in object code forms) and derivative works thereof for any purpose; and to authorize others to enall of the rights granted herein, subject to the following conditions: o Redistribution of so this license file (`FTL.TXT') unaltered; any additions, deletions or changes to the original indicated in accompanying documentation. The copyright notices of the unaltered, original filpreserved in all copies of source files. o Redistribution in binary form must provide a disclthat the software is based in part of the work of the FreeType Team, in the distribution docum also encourage you to put an URL to the FreeType web page in your documentation, though this mandatory. These conditions apply to any software derived from or based on the FreeType Proje the unmodified files. If you use our work, you must acknowledge us. However, no fee need be p Advertising ------ Neither the FreeType authors and contributors nor you shall use the for commercial, advertising, or promotional purposes without specific prior written permission but do not require, that you use one or more of the following phrases to refer to this softwar documentation or advertising materials: `FreeType Project', `FreeType Engine',

`FreeType library', or `FreeType Distribution'. As you have not signed this license, you are a accept it. However, as the FreeType Project is copyrighted material, only this license, or and contracted with the authors, grants you the right to use, distribute, and modify it. Therefore distributing, or modifying the FreeType Project, you indicate that you understand and accept a this license. 4. Contacts ------- There are two mailing lists related to FreeType: o freet Discusses general use and applications of FreeType, as well as future and wanted additions to and distribution. If you are looking for support, start in this list if you haven't found any documentation. o freetype-devel@nongnu.org Discusses bugs, as well as engine internals, design specific licenses, porting, etc. Our home page can be found at https://www.freetype.org --- en Fuchsia NDK

Project Homepage:https://fuchsia.googlesource.com/docs/+/master/development/sdk/README.md

// Copyright 2019 The Fuchsia Authors. All rights reserved. // // Redistribution and use in so forms, with or without // modification, are permitted provided that the following conditions of Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution.

// * Neither the name of Google Inc. nor the names of its // contributors may be used to endo
products derived from // this software without specific prior written permission. // // THIS
PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT //
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.

GifPlayer Animated GIF Library

Project Homepage: http://android-gifview.googlecode.com/svn/!svn/bc/8/trunk/ Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit: means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sha beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity including but not limited to software source code, documentation source, and configuration fill form shall mean any form resulting from mechanical transformation or translation of a Source : but not limited to compiled object code, generated documentation,

and conversions to other media types. "Work" shall mean the work of authorship, whether in Sou Object form, made available under the License, as indicated by a copyright notice that is incl attached to the work (an example is provided in the Appendix below). "Derivative Works" shall

work, whether in Source or Object form, that is based on (or derived from) the Work and for w editorial revisions, annotations, elaborations, or other modifications represent, as a whole, authorship. For the purposes of this License, Derivative Works shall not include works that re from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works the "Contribution" shall mean any work of authorship, including the original version of the Work modifications or additions to that Work or Derivative Works thereof, that is intentionally su for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorizbehalf of the copyright owner. For the purposes of this definition, "submitted" means any for verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by the owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal 3 of whom a Contribution has been received by Licensor and subsequently incorporated within the Grant of Copyright License. Subject to the terms and conditions of this License, each Contrib grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable cop reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and d Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to mak offer to sell, sell, import, and otherwise transfer the Work, where such license applies only claims licensable by such Contributor that are necessarily infringed by their Contribution(s) combination of their Contribution(s) with the Work to which such Contribution(s) was submitted institute patent litigation against any entity (including a cross-claim or counterclaim in a the Work or a Contribution incorporated within the Work constitutes direct or contributory pa then any patent licenses granted to You under this License for that Work shall terminate as o litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works th medium, with or without modifications, and in Source or Object form, provided that You meet t conditions: (a) You must give any other recipients of the Work or Derivative Works a copy of and (b) You must cause any modified files to carry prominent notices stating that You changed (c) You must retain, in the Source form of any Derivative Works that You distribute, all copy trademark, and attribution notices from the Source form of the Work, excluding those notices pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text fildistribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co. modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licenso Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIE CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warrant conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistrib Work and assume any risks associated with Your exercise of permissions under this License. 8. Liability. In no event and under no legal theory, whether in tort (including negligence), con unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to any Contributor be liable to You for damages, including any direct, indirect, special, incide consequential damages of any character arising as a result of this License or out of the use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer malfunction, or any and all other commercial damages or losses), even if such Contributor has of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redi or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of sup indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for incurred by, or claims asserted against, such Contributor by reason of your accepting any suc additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, enclosed by brackets "[]" replaced with your own identifying information. (Don't include the should be enclosed in the appropriate comment syntax for the file format. We also recommend t class name and description of purpose be included on the same "printed page" as the copyright easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] the Apache License, Version 2.0 (the "License"); you may not use this file except in complian License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 U required by applicable law or agreed to in writing, software

distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language permissions and limitations under the License.

Google Double Conversion

Project Homepage: https://github.com/google/double-conversion

Copyright 2006-2011, the V8 project authors. All rights reserved. Redistribution and use in so forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di Neither the name of Google Inc. nor the names of its contributors may be used to endorse or p products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google Ink

Project Homepage: https://github.com/google/ink

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defi-1 through 9 of this document. "Licensor" shall mean the copyright owner or entity authorized owner that is granting the License. "Legal Entity" shall mean the union of the acting entity . entities that control, are controlled by, or are under common control with that entity. For t definition, "control" means (i) the power, direct or indirect, to cause the direction or manaentity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of shares, or (iii) beneficial ownership of such entity. "You" (or "Your") shall mean an individ exercising permissions granted by this License. "Source" form shall mean the preferred form for modifications, including but not limited to software source code, documentation source, and c files. "Object" form shall mean any form resulting from mechanical transformation or translat form, including but not limited to compiled object code, generated documentation, and convers media types. "Work" shall mean the work of authorship, whether in Source or Object form, made under the License, as indicated by a copyright notice that is included in or attached to the is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source form, that is based on (or derived from) the Work and for which the editorial revisions, anno elaborations, or other modifications represent, as a whole, an original work of authorship. F this License, Derivative Works shall not include works that remain separable from, or merely name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co. mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and

subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the term conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notice form of the Work, excluding those notices that do not pertain to any part of the Derivative Works the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works distribute must include a readable copy of the attribution notices contained within such NOTIF excluding those notices that do not pertain to any part of the Derivative Works, in at least places: within a NOTICE text file distributed as part of the Derivative Works; within the Sou documentation, if provided along with the Derivative Works; or, within a display generated by Works, if and wherever such third-party notices normally appear. The contents of the NOTICE f informational purposes only and do not modify the License. You may add Your own attribution no Derivative Works that You distribute, alongside

or as an addendum to the NOTICE text from the Work, provided that such additional attribution cannot be construed as modifying the License. You may add Your own copyright statement to You modifications and may provide additional or different license terms and conditions for use, re distribution of Your modifications, or for any such Derivative Works as a whole, provided You reproduction, and distribution of the Work otherwise complies with the conditions stated in t Submission of Contributions. Unless You explicitly state otherwise, any Contribution intention for inclusion in the Work by You to the Licensor shall be under the terms and conditions of t without any additional terms or conditions. Notwithstanding the above, nothing herein shall s modify the terms of any separate license agreement you may have executed with Licensor regard Contributions. 6. Trademarks. This License does not grant permission to use the trade names, service marks, or product names of the Licensor, except as required for reasonable and custom. describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaim Unless required by applicable law or agreed to in writing, Licensor provides the Work (and ea provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assum associated with Your exercise of permissions under this License. 8. Limitation of Liability. under no legal theory, whether in tort (including negligence), contract, or otherwise, unless applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall liable to You for damages, including any direct, indirect, special, incidental, or consequent character arising as a result of this License or out of the use or inability to use the Work limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or a commercial damages or losses), even if such Contributor has been advised of the possibility o damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason

of your accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPEN How to apply the Apache License to your work. To apply the Apache License to your work, attack following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own information. (Don't include the brackets!) The text should be enclosed in the appropriate comm the file format. We also recommend that a file or class name and description of purpose be ind same "printed page" as the copyright notice for easier identification within third-party arch: [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License" not use this file except in compliance with the License. You may obtain a copy of the License http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in the software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language permissions and limitations under the License.

google-glog's symbolization library

Project Homepage: https://github.com/google/glog

// Copyright (c) 2006, Google Inc. // All rights reserved. // // Redistribution and use in so forms, with or without // modification, are permitted provided that the following conditions Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may b or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT

// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE
GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
google-jstemplate

Project Homepage: http://code.google.com/p/google-jstemplate/

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below). "Derivative Works" shall mean any work, whethor Object form, that is based on (or derived from) the Work and for which the editorial revis elaborations, or other modifications represent, as a whole, an original work of authorship. F this License, Derivative Works shall not include works that remain separable from, or merely name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of,

for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co. mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the Work and such Derivative Works in S form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each C grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (ex this section) patent license to make, have made, use, offer to sell, sell, import, and otherw Work, where such license applies only to those patent claims licensable by such Contributor t necessarily infringed by their Contribution(s) alone or by combination of their Contribution(which such Contribution(s) was submitted. If You institute patent litigation against any enti cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporate constitutes direct or contributory patent infringement, then any patent licenses granted to Y License for that Work shall terminate as of the date such litigation is filed. 4. Redistribut reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with o modifications, and in Source or Object form, provided that You meet the following conditions: (a) You must give any other recipients of the Work or Derivative Works a copy of this License must cause any modified files to carry prominent notices stating that You changed the files; retain, in the Source form of any Derivative Works that You distribute, all copyright, patent attribution notices from the Source form of the Work, excluding those notices that do not per the Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distri Derivative Works that You distribute must include a readable copy of the attribution notices such NOTICE file, excluding those notices that do not pertain to any part of the Derivative W. one of the following places: within a NOTICE text file distributed as part of the Derivative Source form or documentation, if provided along with the Derivative Works; or, within a displ. the Derivative Works, if and wherever such third-party notices normally appear. The contents file are for informational purposes only and do not modify the License. You may add Your own notices within Derivative Works that You distribute, alongside or as an addendum to the NOTIC the Work, provided that such additional attribution notices cannot be construed as modifying You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Ystate otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions

of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Worl any risks associated with Your exercise of permissions under this License. 8. Limitation of Li event and under no legal theory, whether in tort (including negligence), contract, or otherwis required by applicable law (such as deliberate and grossly negligent acts) or agreed to in wr Contributor be liable to You for damages, including any direct, indirect, special, incidental damages of any character arising as a result of this License or out of the use or inability to (including but not limited to damages for loss of goodwill, work stoppage, computer failure o any and all other commercial damages or losses), even if such Contributor has been advised of possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistribut Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of suppor indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for incurred by, or claims asserted against, such Contributor by reason of your accepting any suc additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, enclosed by brackets "[]" replaced with your own identifying information. (Don't include the should be enclosed in the appropriate comment syntax for the file format. We also recommend t class name and description of purpose be included on the same "printed page" as the copyright easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] the Apache License, Version 2.0 (the "License"); you may not use this file except in complian License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 U required by applicable law or agreed to in writing, software distributed under the License is "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License GVR Android SDK

Project Homepage: https://github.com/googlevr/gvr-android-sdk

Copyright (c) 2015, Google Inc. Licensed under the Apache License, Version 2.0 (the "License") not use this file except in compliance with the License. Unless required by applicable law or writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WAY OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Apache License Version 2.0, January 2 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND

DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproducts distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the coor entity authorized by the copyright owner that is granting the License. "Legal Entity" shall the acting entity and all other entities that control, are controlled by, or are under common entity. For the purposes of this definition, "control" means (i) the power, direct or indirect direction or management of such entity, whether by contract or otherwise, or (ii) ownership of (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" mean an individual or Legal Entity exercising permissions granted by this License. "Source" for the preferred form for making modifications, including but not limited to software source code source, and configuration files. "Object" form shall mean any form resulting from mechanical or translation of a Source form, including but not limited to compiled object code, generated and conversions to other media types. "Work" shall mean the work of authorship, whether in Son Object form, made available under the License, as indicated by a copyright notice that is incl attached to the work

(an example is provided in the Appendix below). "Derivative Works" shall mean any work, whether or Object form, that is based on (or derived from) the Work and for which the editorial revise elaborations, or other modifications represent, as a whole, an original work of authorship. For this License, Derivative Works shall not include works that remain separable from, or merely 2 name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean a authorship, including the original version of the Work and any modifications or additions to a Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work

owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co. mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the Work and such Derivative Works in S form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each C grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (ex this section) patent license to make, have made, use, offer to sell, sell, import, and otherw Work, where such license applies only to those patent claims licensable by such Contributor t necessarily infringed by their Contribution(s) alone or by combination of their Contribution(which such Contribution(s) was submitted. If You institute patent litigation against any enti cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporate constitutes direct or contributory patent infringement, then any patent licenses granted to Y-License for that Work shall terminate as of the date such litigation is filed. 4. Redistribut reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with o modifications, and in Source or Object form, provided that You meet the following conditions: (a) You must give any other recipients of the Work or Derivative Works a copy of this License must cause any modified files to carry prominent notices stating that You changed the files; retain, in the Source form of any Derivative Works that You distribute, all copyright, patent attribution notices from the Source form of the Work, excluding those notices that do not per the Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distri Derivative Works that You distribute must include a readable copy of the attribution notices such NOTICE file, excluding those notices that do not pertain to any part of the Derivative W. one of the following places: within a NOTICE text file distributed as part of the Derivative Source form or documentation, if provided along with the Derivative Works; or, within a displ. the Derivative Works, if and wherever such third-party notices normally appear. The contents file are for informational purposes only and do not modify the License. You may add Your own notices within Derivative Works that You distribute, alongside or as an addendum to the NOTIC the Work, provided that such additional attribution notices cannot be construed as modifying You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Y state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions

of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You

are solely responsible for determining the appropriateness of using or redistributing the Wor any risks associated with Your exercise of permissions under this License. 8. Limitation of L event and under no legal theory, whether in tort (including negligence), contract, or otherwi required by applicable law (such as deliberate and grossly negligent acts) or agreed to in wr Contributor be liable to You for damages, including any direct, indirect, special, incidental damages of any character arising as a result of this License or out of the use or inability to (including but not limited to damages for loss of goodwill, work stoppage, computer failure o any and all other commercial damages or losses), even if such Contributor has been advised of possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistribut Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of suppor indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for incurred by, or claims asserted against, such Contributor by reason of your accepting any suc =========== This software may use portions of the following libraries subject to the 2014 The Chromium Authors. All rights reserved. // // Redistribution and use in source and bi or without // modification, are permitted provided that the following conditions are // met: of source code must retain the above copyright // notice, this list of conditions and the fol * Redistributions in binary form must reproduce the above // copyright notice, this list of c following disclaimer // in the documentation and/or other materials provided with the // dist the name of Google Inc. nor the names of its // contributors may be used to endorse or promote derived from // this software without specific prior written permission. // // THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, ******************************** COPYRIGHT AND PERMISSION NOTICE Copyright (c) 1996 - 2014, Danie Stenberg, <daniel@haxx.se>. All rights reserved. Permission to use, copy, modify, and d software for any purpose with or without fee is hereby granted, provided that the above copyr this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to use or other dealings in this Software without prior written authorization of the copyright h Inc. All rights reserved. Redistribution and use in source and binary forms, with or without a permitted provided that the following conditions are met: * Redistributions of source code mu above copyright notice, this list of conditions and the following disclaimer. * Redistribution must reproduce the above copyright notice, this list of conditions and the following disclaim documentation and/or other materials provided with the distribution. * Neither the name of Google Inc. nor the names of its contributors may be used promote products derived from this software without specific prior written permission. THIS S PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE primarily MPL2 licensed. See COPYING.MPL2 and these links: http://www.mozilla.org/MPL/2.0/ http://www.mozilla.org/MPL/2.0/FAQ.html Some files contain third-party code under BSD or LGPL whence the other COPYING.* files here. All the LGPL code is either LGPL 2.1-only, or LGPL 2.1 this reason, the COPYING.LGPL file contains the LGPL 2.1 text. If you want to guarantee that code that you are #including is licensed under the MPL2 and possibly more permissive licenses #define this preprocessor symbol: EIGEN MPL2 ONLY For example, with most compilers, you could this to your project CXXFLAGS: -DEIGEN MPL2 ONLY This will cause a compilation error to be ge Following applies to: ./test/mapstaticmethods.cpp ./test/schur_real.cpp ./test/prec_inverse_4 ./test/smallvectors.cpp ./test/redux.cpp ./test/special_numbers.cpp ./test/adjoint.cpp ./test ./test/mixingtypes.cpp ./test/product trmv.cpp ./test/sparse solvers.cpp ./test/cholesky.cpp ./test/geo quaternion.cpp ./test/miscmatrices.cpp ./test/stddeque.cpp ./test/integer types.cpp ./test/product large.cpp ./test/eigensolver gene ./test/householder.cpp ./test/geo_orthomethods.cpp ./test/array_for_matrix.cpp ./test/sparseL ./test/upperbidiagonalization.cpp ./test/nomalloc.cpp ./test/packetmath.cpp ./test/jacobisvd. ./test/geo transformations.cpp ./test/swap.cpp ./test/eigensolver selfadjoint.cpp ./test/inve ./test/product selfadjoint.cpp ./test/product trsolve.cpp ./test/product extra.cpp ./test/spa ./test/mapstride.cpp ./test/mapped matrix.cpp ./test/geo eulerangles.cpp ./test/eigen2support ./test/denseLM.cpp ./test/stdvector.cpp ./test/nesting ops.cpp ./test/sparse permutations.cpp ./test/zerosized.cpp ./test/exceptions.cpp ./test/vectorwiseop.cpp ./test/cwiseop.cpp ./test/ ./test/product_trmm.cpp ./test/linearstructure.cpp ./test/sparse_product.cpp ./test/stdvector

./test/stable_norm.cpp ./test/umeyama.cpp ./test/unalignedcount.cpp ./test/triangular.cpp ./test/product_mmtr.cpp ./test/sparse_basic.cpp ./test/sparse_vector.cpp ./test/meta.cpp ./te ./test/ref.cpp ./test/eigensolver_complex.cpp ./test/cholmod_support.cpp ./test/conjugate_grad ./test/sparse.h ./test/simplicial_cholesky.cpp ./test/bicgstab.cpp ./test/dynalloc.cpp ./test/product_notemporary.cpp

./test/geo_hyperplane.cpp ./test/lu.cpp ./test/qr.cpp ./test/hessenberg.cpp ./test/sizeof.cpp ./test/selfadjoint.cpp ./test/permutationmatrices.cpp ./test/superlu_support.cpp ./test/qtvect ./test/geo_homogeneous.cpp ./test/determinant.cpp ./test/array_reverse.cpp ./test/unalignedast ./test/stdlist.cpp ./test/product_symm.cpp ./test/corners.cpp ./test/dontalign.cpp ./test/vist ./test/geo_alignedbox.cpp ./test/diagonalmatrices.cpp ./test/product_small.cpp ./test/eigensolver generalized real.cpp ./test/umfpack support.cpp ./test/first aligned.cpp

./test/qr_fullpivoting.cpp ./test/array_replicate.cpp ./test/geo_parametrizedline.cpp

./test/eigen2_unalignedassert.cpp ./test/eigen2_eigen2_prec_inverse_4x4.cpp

./test/eigen2_eigen2_alignedbox.cpp ./test/eigen2/eigen2_sparse_product.cpp ./test/eigen2/eig

./test/eigen2/eigen2_nomalloc.cpp ./test/eigen2/eigen2_visitor.cpp ./test/eigen2_packe

./test/eigen2_eigen2_svd.cpp ./test/eigen2_mixingtypes.cpp ./test/eigen2/eigen2 qr.cpp ./test/eigen2/eigen2 cwiseop.cpp ./test/eigen2/eigen2 geometry with eigen2 prefix.cpp ./test/eigen2/eigen2 smallvectors.cpp ./test/eigen2/eigen2 commainitializer.cpp ./test/eigen2/eigen2 sparse solvers.cpp ./test/eigen2/eigen2 hyperplane.cpp ./test/eigen2/eigen2 eigensolver.cpp ./test/eigen2/eigen2 linearstructure.cpp ./test/eigen2/e ./test/eigen2/eigen2 parametrizedline.cpp ./test/eigen2/eigen2 lu.cpp ./test/eigen2/eigen2 ad ./test/eigen2/eigen2 geometry.cpp ./test/eigen2/eigen2 stdvector.cpp ./test/eigen2/eigen2 new ./test/eigen2/eigen2 submatrices.cpp ./test/eigen2/sparse.h ./test/eigen2/eigen2 swap.cpp ./test/eigen2/eigen2 triangular.cpp ./test/eigen2/eigen2_basicstuff.cpp ./test/eigen2/gsl_helper.h ./test/eigen2/eigen2_dynalloc. ./test/eigen2/eigen2 array.cpp ./test/eigen2/eigen2 map.cpp ./test/eigen2/main.h ./test/eigen2/eigen2_miscmatrices.cpp ./test/eigen2/eigen2_product_large.cpp ./test/eigen2/eigen2 first aligned.cpp ./test/eigen2/eigen2 cholesky.cpp ./test/eigen2/eigen2 determinant.cpp ./test/eigen2/eigen2 sum.cpp ./test/eigen2/eigen2 inverse ./test/eigen2/eigen2 regression.cpp ./test/eigen2/eigen2 product small.cpp ./test/eigen2/eigen2 qtvector.cpp ./test/eigen2/eigen2 sparse vector.cpp ./test/eigen2/produc ./test/eigen2_bi ./test/product syrk.cpp ./test/commainitializer.cpp ./test/conservative resize.cpp ./test/qr ./test/nullary.cpp ./test/bandmatrix.cpp ./test/pastix support.cpp ./test/product.h ./test/bl ./test/vectorization logic.cpp ./test/jacobi.cpp ./test/diagonal.cpp ./test/schur complex.cpp ./test/sizeoverflow.cpp ./bench/BenchTimer.h ./bench/benchFFT.cpp ./bench/eig33.cpp ./bench/spbench/spbenchsolver.h ./bench/spbench/spbenchstyle.h ./lapack/complex double.cpp ./lapack/cholesky.cpp ./lapack/lapack_common.h ./lapack/eigenvalues.cpp ./lapack/single.cpp . ./lapack/complex_single.cpp ./lapack/double.cpp ./demos/mix_eigen_and_c/binary_library.cpp ./demos/mix eigen and c/binary library.h ./demos/mix eigen and c/example.c ./demos/mandelbrot/mandelbrot.cpp ./demos/mandelbrot/mandelbrot.h ./demos/opengl/icosphere.cpp ./demos/opengl/icosphere.h ./demos/opengl/camera.cpp ./demos/opengl/quaternion_demo.h ./demos/opengl/camera.h ./demos/opengl/trackball.h ./demos/opengl/gpuhelper.h ./demos/opengl/trackball.cpp ./demos/opengl/gpuhelper.cpp ./demos/opengl/quaternion demo.cpp ./debug/gdb/printers.py ./unsupported/test/minres.cpp ./unsupported/test/openglsupport.cpp ./unsupported/test/jacobis ./unsupported/test/dgmres.cpp ./unsupported/test/matrix square root.cpp ./unsupported/test/bd ./unsupported/test/matrix exponential.cpp ./unsupported/test/forward adolc.cpp ./unsupported/test/polynomialsolver.cpp ./unsupported/test/matrix function.cpp ./unsupported/test/sparse_extra.cpp ./unsupported/test/matrix_functions.h ./unsupported/test/ ./unsupported/test/FFTW.cpp ./unsupported/test/alignedvector3.cpp ./unsupported/test/autodiff ./unsupported/test/gmres.cpp ./unsupported/test/BVH.cpp ./unsupported/test/levenberg marquard ./unsupported/test/matrix power.cpp ./unsupported/test/kronecker product.cpp ./unsupported/test/splines.cpp ./unsupported/test/polynomialutils.cpp ./unsupported/bench/ ./unsupported/Eigen/IterativeSolvers ./unsupported/Eigen/src/IterativeSolvers/DGMRES.h ./unsupported/Eigen/src/IterativeSolvers/IncompleteLU.h ./unsupported/Eigen/src/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/IterativeSolvers/Iterative ./unsupported/Eigen/src/IterativeSolvers/IncompleteCholesky.h ./unsupported/Eigen/src/IterativeSolvers/Scaling.h ./unsupported/Eigen/src/IterativeSolvers/M ./unsupported/Eigen/src/SparseExtra/RandomSetter.h ./unsupported/Eigen/src/SparseExtra/MatrixMarketIterator.h ./unsupported/Eigen/src/SparseExtra/DynamicSparseMatrix.h ./unsupported/Eigen/src/SparseExtra/MarketIO.h ./unsupported/Eigen/src/SparseExtra/BlockOfDynamicSparseMatrix.h ./unsupported/Eigen/src/KroneckerProduct/KroneckerTensorProduct.h

./unsupported/Eigen/src/NonLinearOptimization/LevenbergMarquardt.h

./unsupported/Eigen/src/NonLinearOptimization/HybridNonLinearSolver.h ./unsupported/Eigen/src/BVH/BVAlgorithms.h ./unsupported/Eigen/src/BVH/KdBVH.h ./unsupported/Eigen/src/AutoDiff/AutoDiffScalar.h ./unsupported/Eigen/src/AutoDiff/AutoDiffJa ./unsupported/Eigen/src/AutoDiff/AutoDiffVector.h ./unsupported/Eigen/src/Spline.h ./unsupported/Eigen/src/Splines/SplineFitting.h ./unsupported/Eigen/src/Splines/SplineFwd.h ./unsupported/Eigen/src/SVD/JacobiSVD.h ./unsupported/Eigen/src/SVD/BDCSVD.h ./unsupported/Eigen/src/SVD/SVDBase.h ./unsupported/Eigen/src/MatrixFunctions/MatrixFunction. ./unsupported/Eigen/src/MatrixFunctions/MatrixSquareRoot.h ./unsupported/Eigen/src/MatrixFunctions/MatrixLogarithm.h ./unsupported/Eigen/src/MatrixFunctions/StemFunction.h ./unsupported/Eigen/src/MatrixFunctions/MatrixPower.h ./unsupported/Eigen/src/MatrixFunctions/MatrixExponential.h ./unsupported/Eigen/src/MatrixFunctions/MatrixFunctionAtomic.h ./unsupported/Eigen/src/MoreVectorization/MathFunctions.h ./unsupported/Eigen/src/LevenbergMarquardt/LevenbergMarquardt.h ./unsupported/Eigen/src/FFT/ei fftw impl.h ./unsupported/Eigen/src/FFT/ei kissfft impl.h ./unsupported/Eigen/src/Polynomials/PolynomialSolver.h ./unsupported/Eigen/src/Polynomials/Compared/Eigen/src/Polynomials/Compared/Eigen/src/Polynomials/Compared/Eigen/src/Polynomials/Compared/Eigen/src/Polynomials/PolynomialSolver.h ./unsupported/Eigen/src/Polynomials/PolynomialUtils.h ./unsupported/Eigen/src/NumericalDiff/NumericalDiff.h ./unsupported/Eigen/src/Skyline/Skyline ./unsupported/Eigen/src/Skyline/SkylineMatrixBase.h ./unsupported/Eigen/src/Skyline/SkylineSt ./unsupported/Eigen/src/Skyline/SkylineUtil.h ./unsupported/Eigen/src/Skyline/SkylineInplaceL ./unsupported/Eigen/src/Skyline/SkylineMatrix.h ./unsupported/Eigen/SparseExtra ./unsupported/Eigen/AdolcForward ./unsupported/Eigen/KroneckerProduct ./unsupported/Eigen/NonLinearOptimization ./unsupported/Eigen/BVH ./unsupported/Eigen/OpenGLS ./unsupported/Eigen/ArpackSupport ./unsupported/Eigen/AutoDiff ./unsupported/Eigen/Splines ./unsupported/Eigen/MPRealSupport ./unsupported/Eigen/MatrixFunctions ./unsupported/Eigen/MoreVectorization ./unsupported/Eigen/LevenbergMarquardt ./unsupported/Eigen/AlignedVector3 ./unsupported/Eigen/FFT ./unsupported/Eigen/Polynomials ./unsupported/Eigen/NumericalDiff ./unsupported/Eigen/Skyline ./COPYING.README ./COPYING.README ./LICENSE ./LICENSE ./Eigen/Eigen/Support ./Eigen/src/Eigen2Support/VectorBlock.h ./Eigen/src/Eigen2Support/Cwise.h ./Eigen/src/Eigen2Support/Minor.h ./Eigen/src/Eigen2Support/Lazy.h ./Eigen/src/Eigen2Support/Memory.h ./Eigen/src/Eigen2Support/MathFunctions.h ./Eigen/src/Eigen2Support/Geometry/AlignedBox.h ./Eigen/src/Eigen2Support/Geometry/Hyperplane.h ./Eigen/src/Eigen2Support/Geometry/Quaternion ./Eigen/src/Eigen2Support/Geometry/Rotation2D.h ./Eigen/src/Eigen2Support/Geometry/Parametrize ./Eigen/src/Eigen2Support/Geometry/RotationBase.h ./Eigen/src/Eigen2Support/Geometry/Translat ./Eigen/src/Eigen2Support/Geometry/Scaling.h ./Eigen/src/Eigen2Support/Geometry/AngleAxis.h ./Eigen/src/Eigen2Support/Geometry/Transform.h ./Eigen/src/Eigen2Support/TriangularSolver.h ./Eigen/src/Eigen2Support/LU.h ./Eigen/src/Eigen2Support/QR.h ./Eigen/src/Eigen2Support/SVD.h ./Eigen/src/Eigen2Support/Meta.h ./Eigen/src/Eigen2Support/Block.h ./Eigen/src/Eigen2Support/LeastSquares.h ./Eigen/src/Eigen2Support/CwiseOperators.h ./Eigen/src/Jacobi/Jacobi.h ./Eigen/src/misc/Kernel.h ./Eigen/src/misc/SparseSolve.h ./Eigen/ ./Eigen/src/misc/Image.h ./Eigen/src/SparseCore/SparseColEtree.h ./Eigen/src/SparseCore/SparseTranspose.h ./Eigen/src/SparseCore/SparseUtil.h ./Eigen/src/SparseCore/SparseCwiseBinaryOp.h ./Eigen/src/SparseCore/SparseDiagonalProduct.h ./Eigen/src/SparseCore/SparseProduct.h ./Eigen/src/SparseCore/SparseDot.h ./Eigen/src/SparseCore/SparseCwiseUnaryOp.h ./Eigen/src/SparseCore/SparseProductWithPru ./Eigen/src/SparseCore/SparseBlock.h ./Eigen/src/SparseCore/SparseDenseProduct.h ./Eigen/src/SparseCore/CompressedStorage.h ./Eigen/src/SparseCore/SparseMatrixBase.h ./Eigen/src/SparseCore/MappedSparseMatrix.h ./Eigen/src/SparseCore/SparseTriangularView.h

./Eigen/src/SparseCore/SparseView.h ./Eigen/src/SparseCore/SparseFuzzy.h ./Eigen/src/SparseCore/TriangularSolver.h ./Eigen/src/SparseCore/SparseSelfAdjointView.h ./Eigen/src/SparseCore/SparseMatrix.h ./Eigen/src/SparseCore/SparseVector.h ./Eigen/src/SparseCore/AmbiVector.h ./Eigen/src/SparseCore/ConservativeSparseSparseProduct.h ./Eigen/src/SparseCore/SparseRedux.h ./Eigen/src/SparseCore/SparsePermutation.h ./Eigen/src/Eigenvalues/RealSchur.h ./Eigen/src/Eigenvalues/ComplexEigenSolver.h ./Eigen/src/Eigenvalues/GeneralizedEigenSolver.h ./Eigen/src/Eigenvalues/ComplexSchur.h ./Eigen/src/Eigenvalues/RealQZ.h ./Eigen/src/Eigenvalues/EigenSolver.h ./Eigen/src/Eigenvalues/HessenbergDecomposition.h ./Eigen/src/Eigenvalues/GeneralizedSelfAdjointEigenSolver.h ./Eigen/src/Eigenvalues/Tridiagon ./Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h ./Eigen/src/Eigenvalues/MatrixBaseEigenvalue ./Eigen/src/SuperLUSupport/SuperLUSupport.h ./Eigen/src/StlSupport/StdDeque.h ./Eigen/src/StlSupport/StdVector.h ./Eigen/src/StlSupport/StdList.h ./Eigen/src/StlSupport/de ./Eigen/src/SparseQR/SparseQR.h ./Eigen/src/LU/Inverse.h ./Eigen/src/LU/arch/Inverse SSE.h ./Eigen/src/LU/Determinant.h ./Eigen/src/LU/PartialPivLU.h ./Eigen/src/LU/FullPivLU.h ./Eigen/src/UmfPackSupport/UmfPackSupport.h ./Eigen/src/OrderingMethods/Ordering.h ./Eigen/src/OrderingMethods/Eigen_Colamd.h ./Eigen/src/QR/HouseholderQR.h ./Eigen/src/QR/ColPivHouseholderQR.h ./Eigen/src/QR/FullPivHouseholderQR.h ./Eigen/src/SVD/JacobiSVD.h ./Eigen/src/SVD/UpperBidiagonalization.h ./Eigen/src/Geometry/OrthoMethods.h ./Eigen/src/Geometry/AlignedBox.h ./Eigen/src/Geometry/Hyperplane.h ./Eigen/src/Geometry/Quaternion.h ./Eigen/src/Geometry/Eule ./Eigen/src/Geometry/Rotation2D.h ./Eigen/src/Geometry/ParametrizedLine.h ./Eigen/src/Geometry/RotationBase.h ./Eigen/src/Geometry/arch/Geometry SSE.h ./Eigen/src/Geometry/Umeyama.h ./Eigen/src/Geometry/Homogeneous.h ./Eigen/src/Geometry/Transl ./Eigen/src/Geometry/Scaling.h ./Eigen/src/Geometry/AngleAxis.h ./Eigen/src/Geometry/Transform ./Eigen/src/plugins/BlockMethods.h ./Eigen/src/plugins/CommonCwiseUnaryOps.h ./Eigen/src/plugins/CommonCwiseBinaryOps.h ./Eigen/src/plugins/MatrixCwiseUnaryOps.h ./Eigen/src/plugins/MatrixCwiseBinaryOps.h ./Eigen/src/Householder/Householder.h ./Eigen/src/Householder/HouseholderSequence.h ./Eigen/src/Householder/BlockHouseholder.h ./Eigen/src/Core/VectorBlock.h ./Eigen/src/Core/Matrix.h ./Eigen/src/Core/Ref.h ./Eigen/src/Core/SelfAdjointView.h ./Eigen/src/Core/MathFunctions.h ./Eigen/src/Core/GlobalFunctions.h ./Eigen/src/Core/MapBase.h ./Eigen/src/Core/EigenBase.h ./Eigen/src/Core/GenericPacketMath.h ./Eigen/src/Core/NestByValue.h ./Eigen/src/Core/CwiseUna ./Eigen/src/Core/SolveTriangular.h ./Eigen/src/Core/Fuzzy.h ./Eigen/src/Core/Visitor.h ./Eigen/src/Core/Map.h ./Eigen/src/Core/NoAlias.h ./Eigen/src/Core/Diagonal.h ./Eigen/src/Core/StableNorm.h ./Eigen/src/Core/CoreIterators.h ./Eigen/src/Core/products/Para ./Eigen/src/Core/products/SelfadjointMatrixVector.h ./Eigen/src/Core/products/GeneralMatrixMatrixTriangular.h ./Eigen/src/Core/products/TriangularSolverMatrix.h ./Eigen/src/Core/products/GeneralMatrixMat ./Eigen/src/Core/products/SelfadjointProduct.h ./Eigen/src/Core/products/CoeffBasedProduct.h ./Eigen/src/Core/products/TriangularMatrixVector.h ./Eigen/src/Core/products/SelfadjointMatrix ./Eigen/src/Core/products/TriangularSolverVector.h ./Eigen/src/Core/products/SelfadjointRank2 ./Eigen/src/Core/products/GeneralBlockPanelKernel.h ./Eigen/src/Core/products/GeneralMatrixVe ./Eigen/src/Core/products/TriangularMatrixMatrix.h ./Eigen/src/Core/Reverse.h ./Eigen/src/Core/BooleanRedux.h ./Eigen/src/Core/Replicate.h ./Eigen/src/Core/arch/AltiVec/Pa ./Eigen/src/Core/arch/AltiVec/Complex.h ./Eigen/src/Core/arch/SSE/PacketMath.h ./Eigen/src/Core/arch/SSE/Complex.h ./Eigen/src/Core/arch/SSE/MathFunctions.h ./Eigen/src/Core/arch/NEON/PacketMath.h ./Eigen/src/Core/arch/NEON/Complex.h ./Eigen/src/Core/arch/Default/Settings.h ./Eigen/src/Core/CwiseUnaryView.h ./Eigen/src/Core/A ./Eigen/src/Core/ArrayWrapper.h ./Eigen/src/Core/Swap.h ./Eigen/src/Core/Transpositions.h

./Eigen/src/Core/Random.h ./Eigen/src/Core/IO.h ./Eigen/src/Core/SelfCwiseBinaryOp.h ./Eigen/src/Core/VectorwiseOp.h ./Eigen/src/Core/Select.h ./Eigen/src/Core/ArrayBase.h ./Eigen/src/Core/DenseCoeffsBase.h ./Eigen/src/Core/DiagonalProduct.h ./Eigen/src/Core/Assign ./Eigen/src/Core/Redux.h ./Eigen/src/Core/ForceAlignedAccess.h ./Eigen/src/Core/BandMatrix.h ./Eigen/src/Core/PlainObjectBase.h ./Eigen/src/Core/DenseBase.h ./Eigen/src/Core/Flagged.h ./Eigen/src/Core/CwiseBinaryOp.h ./Eigen/src/Core/ProductBase.h ./Eigen/src/Core/TriangularMatrix.h ./Eigen/src/Core/Transpose.h ./Eigen/src/Core/DiagonalMat ./Eigen/src/Core/Dot.h ./Eigen/src/Core/Functors.h ./Eigen/src/Core/PermutationMatrix.h ./Eigen/src/Core/NumTraits.h ./Eigen/src/Core/MatrixBase.h ./Eigen/src/Core/DenseStorage.h ./Eigen/src/Core/util/Memory.h ./Eigen/src/Core/util/StaticAssert.h ./Eigen/src/Core/util/Bla ./Eigen/src/Core/util/MatrixMapper.h ./Eigen/src/Core/util/XprHelper.h ./Eigen/src/Core/util/ForwardDeclarations.h ./Eigen/src/Core/util/Meta.h ./Eigen/src/Core/uti ./Eigen/src/Core/util/Constants.h ./Eigen/src/Core/CwiseNullaryOp.h ./Eigen/src/Core/Block.h ./Eigen/src/Core/GeneralProduct.h ./Eigen/src/Core/CommaInitializer.h ./Eigen/src/Core/Return ./Eigen/src/Core/Stride.h ./Eigen/src/SPQRSupport/SuiteSparseQRSupport.h ./Eigen/src/SparseLU/SparseLU column dfs.h ./Eigen/src/SparseLU/SparseLU panel dfs.h ./Eigen/src/SparseLU/SparseLU_relax_snode.h ./Eigen/src/SparseLU/SparseLU_panel_bmod.h ./Eigen/src/SparseLU/SparseLU SupernodalMatrix.h ./Eigen/src/SparseLU/SparseLU Utils.h ./Eigen/src/SparseLU/SparseLU gemm kernel.h ./Eigen/src/SparseLU/SparseLU kernel bmod.h ./Eigen/src/SparseLU/SparseLU pivotL.h ./Eigen/src/SparseLU/SparseLU Memory.h ./Eigen/src/SparseLU/SparseLU heap relax snode.h ./Eigen/src/SparseLU/SparseLUImpl.h ./Eigen/src/SparseLU/SparseLU copy to ucol.h ./Eigen/src/SparseLU/SparseLU Structs.h ./Eigen/src/SparseLU/SparseLU.h ./Eigen/src/SparseLU/SparseLU column bmod.h ./Eigen/src/SparseLU/SparseLU_pruneL.h ./Eigen/src/IterativeLinearSolvers/IncompleteLUT.h ./Eigen/src/IterativeLinearSolvers/BasicPreconditioners.h ./Eigen/src/IterativeLinearSolvers/IterativeSolverBase.h ./Eigen/src/IterativeLinearSolvers/ConjugateGradient.h ./Eigen/src/IterativeLinearSolvers/BiC ./Eigen/src/SparseCholesky/SimplicialCholesky.h ./Eigen/src/Cholesky/LDLT.h ./Eigen/src/Cholesky/LLT.h ./Eigen/src/CholmodSupport/CholmodSupport.h ./Eigen/src/PaStiXSupport/PaStiXSupport.h ./Eigen/src/MetisSupport/MetisSupport.h ./Eigen/Std ./Eigen/Core ./Eigen/SparseLU ./Eigen/StdList ./Eigen/StdDeque ./Eigen/SparseCholesky ./scripts/relicense.py ./scripts/relicense.py ./blas/BandTriangularSolver.h ./blas/PackedTriangularMatrixVector.h ./blas/complex double.cpp ./blas/level2 real impl.h ./blas/level1 cplx impl.h ./blas/level1 impl.h ./blas/level1 real impl.h ./blas/level3 impl.h ./blas/level2_cplx_impl.h ./blas/PackedSelfadjointProduct.h ./blas/Rank2Update.h ./blas/comple ./blas/PackedTriangularSolverVector.h ./blas/double.cpp ./blas/common.h ./blas/level2 impl.h ./blas/GeneralRank1Update.h Mozilla Public License Version 2.0 individual or legal entity that creates, contributes to the creation of, or owns Covered Soft "Contributor Version" means the combination of the Contributions of others (if any) used by a that particular Contributor's Contribution. 1.3. "Contribution" means Covered Software of a p. Contributor. 1.4. "Covered Software" means Source Code Form to which the initial Contributor the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of s Code Form, in each case including portions thereof. 1.5. "Incompatible With Secondary License means (a) that the initial Contributor has attached the notice described in Exhibit B to the or (b) that the Covered Software was made available under the terms of version 1.1 or earlier but not also under the terms of a Secondary License. 1.6. "Executable Form" means any form of other than Source Code Form. 1.7. "Larger Work" means a work that combines Covered Software w material, in a separate file or files, that is not Covered Software. 1.8. "License" means thi "Licensable" means having the right to grant, to the maximum extent possible, whether at the initial grant or subsequently, any and all of the rights conveyed by this License. 1.10. "Mode any of the following: (a) any file in Source Code Form that results from an addition to, delet modification of the contents of Covered Software; or (b) any new file in Source Code Form that Covered Software. 1.11. "Patent Claims" of a Contributor means any patent claim(s), including limitation, method, process, and apparatus claims, in any patent Licensable by such Contributo be infringed, but for the grant of the License, by the making, using, selling, offering for sa import, or transfer of either its Contributions or its Contributor Version. 1.12. "Secondary is either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Ver the GNU Affero General Public License, Version 3.0, or any later versions of those licenses. I Code Form" means the form of the work preferred for making modifications. 1.14. "You" (or "You individual or a legal entity exercising rights under this License. For legal entities, "You" is that controls, is controlled by, or is under common control with You. For

purposes of this definition, "control" means (a) the power, direct or indirect, to cause the management of such entity, whether by contract or otherwise, or (b) ownership of more than fi (50%) of the outstanding shares or beneficial ownership of such entity. 2. License Grants and ------ 2.1. Grants Each Contributor hereby grants You a world-wide, roya exclusive license: (a) under intellectual property rights (other than patent or trademark) Li Contributor to use, reproduce, make available, modify, display, perform, distribute, and othe Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and transfer either its Contributions or its Contributor Version. 2.2. Effective Date The license 2.1 with respect to any Contribution become effective for each Contribution on the date the C distributes such Contribution. 2.3. Limitations on Grant Scope The licenses granted in this S only rights granted under this License. No additional rights or licenses will be implied from licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no pa granted by a Contributor: (a) for any code that a Contributor has removed from Covered Softwa infringements caused by: (i) Your and any other third party's modifications of Covered Softwa combination of its Contributions with other software (except as part of its Contributor Versi-Patent Claims infringed by Covered Software in the absence of its Contributions. This License any rights in the trademarks, service marks, or logos of any Contributor (except as may be ne comply with the notice requirements in Section 3.4). 2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered S subsequent version of this License (see Section 10.2) or under the terms of a Secondary Licen permitted under the terms of Section 3.3). 2.5. Representation Each Contributor represents the Contributor believes its Contributions are its original creation(s) or it has sufficient righ its Contributions conveyed by this License. 2.6. Fair Use This License is not intended to lim have under applicable copyright doctrines of fair use, fair dealing, or other equivalents. 2. Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1. 3. Res ----- 3.1. Distribution of Source Form All distribution of Covered Software in Source C any Modifications that You create or to which You contribute, must be under the terms of this must inform recipients that the Source Code Form of the Covered Software is governed by the to License, and how they can obtain a copy of this License. You may not attempt to alter or rest recipients' rights in the Source Code Form. 3.2. Distribution of Executable Form If You distr Software in Executable Form then: (a) such Covered Software must also be made available in So Form, as described in Section 3.1, and You must inform recipients of the Executable Form how obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no the cost of distribution to the recipient; and (b) You may distribute such Executable Form un this License, or sublicense it under different terms, provided that the license for the Execu not attempt to limit or alter the recipients' rights in the Source Code Form under this Licen of a Larger Work You may create and distribute a Larger Work under terms of Your choice, prov also comply with the requirements of this License for the Covered Software. If the Larger Worl combination of Covered

Software with a work governed by one or more Secondary Licenses, and the Covered Software is Incompatible With Secondary Licenses, this License permits You to additionally distribute suc Software under the terms of such Secondary License(s), so that the recipient of the Larger Wo option, further distribute the Covered Software under the terms of either this License or suc License(s). 3.4. Notices You may not remove or alter the substance of any license notices (in copyright notices, patent notices, disclaimers of warranty, or limitations of liability) cont. Source Code Form of the Covered Software, except that You may alter any license notices to the required to remedy known factual inaccuracies. 3.5. Application of Additional Terms You may c and to charge a fee for, warranty, support, indemnity or liability obligations to one or more Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Co. You must make it absolutely clear that any such warranty, support, indemnity, or liability ob by You alone, and You hereby agree to indemnify every Contributor for any liability incurred Contributor as a result of warranty, support, indemnity or liability terms You offer. You may disclaimers of warranty and limitations of liability specific to any jurisdiction. 4. Inabili Statute or Regulation ------ If it is impossible the terms of this License with respect to some or all of the Covered Software due to statute, regulation then You must: (a) comply with the terms of this License to the maximum extent pos describe the limitations and the code they affect. Such description must be placed in a text all distributions of the Covered Software under this License. Except to the extent prohibited regulation, such description must be sufficiently detailed for a recipient of ordinary skill understand it. 5. Termination ------ 5.1. The rights granted under this License will automatically if You fail to comply with any of its terms. However, if You become compliant, granted under this License from a particular Contributor are reinstated (a) provisionally, un Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if su to notify You of the non-compliance by some reasonable means prior to 60 days after You have into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ong such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor become compliant prior to 30 days after Your receipt of the notice. 5.2. If You initiate liti entity by asserting a patent infringement claim (excluding declaratory judgment actions, coun cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent granted to You by any and all Contributors for the Covered Software under Section 2.1 of this terminate. 5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user lic (excluding distributors and resellers) which have been validly granted by You or Your distrib License prior to termination shall survive termination.

 character * * including, without limitation, damages for lost profits, loss of * * goodwill, computer failure or malfunction, or any * * and all other commercial damages or losses, even shall have been informed of the possibility of such damages. This * * limitation of liability liability for death or * * personal injury resulting from such party's negligence to the * * prohibits such limitation. Some * * jurisdictions do not allow the exclusion or limitation of consequential damages, so this exclusion and * * limitation may not apply to You. *

relating to this License may be brought only in the courts of a jurisdiction where the defend principal place of business and such litigation shall be governed by laws of that jurisdiction to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to counter-claims. 9. Miscellaneous ----- This License represents the complete agreem the subject matter hereof. If any provision of this License is held to be unenforceable, such reformed only to the extent necessary to make it enforceable. Any law or regulation which pro language of a contract shall be construed against the drafter shall not be used to construe t against a Contributor. 10. Versions of the License ------ 10.1. New Vers Foundation is the license steward. Except as provided in Section 10.3, no one other than the has the right to modify or publish new versions of this License. Each version will be given a version number. 10.2. Effect of New Versions You may distribute the Covered Software under the the version of the License under which You originally received the Covered Software, or under any subsequent version published by the license steward. 10.3. Modified Versions If you creat governed by this License, and you want to create a new license for such software, you may create modified version of this License if you rename the license and remove any references to the n license steward (except to note that such modified license differs from this License). 10.4. Code Form that is Incompatible With Secondary Licenses If You choose to distribute Source Code is Incompatible With Secondary Licenses under the terms of this version of the License, the n in Exhibit B of this License must be attached.

./doc/UsingIntelMKL.dox ./doc/UsingIntelMKL.dox ./Eigen/src/Eigenvalues/ComplexSchur_MKL.h

./Eigen/src/Eigenvalues/ComplexSchur MKL.h ./Eigen/src/Eigenvalues/SelfAdjointEigenSolver MKL

./Eigen/src/Eigenvalues/SelfAdjointEigenSolver_MKL.h ./Eigen/src/Eigenvalues/RealSchur_MKL.h

./Eigen/src/Eigenvalues/RealSchur_MKL.h ./Eigen/src/LU/arch/Inverse_SSE.h

./Eigen/src/LU/arch/Inverse_SSE.h ./Eigen/src/LU/PartialPivLu_MKL.h ./Eigen/src/LU/PartialPivLu_MKL.h

./Eigen/src/QR/HouseholderQR_MKL.h ./Eigen/src/QR/HouseholderQR_MKL.h

./Eigen/src/QR/ColPivHouseholderQR MKL.h ./Eigen/src/QR/ColPivHouseholderQR MKL.h

./Eigen/src/SVD/JacobiSVD_MKL.h ./Eigen/src/SVD/JacobiSVD_MKL.h

./Eigen/src/PardisoSupport/PardisoSupport.h ./Eigen/src/PardisoSupport.h

./Eigen/src/Core/Assign MKL.h ./Eigen/src/Core/Assign MKL.h

./Eigen/src/Core/products/SelfadjointMatrixVector MKL.h

./Eigen/src/Core/products/SelfadjointMatrixVector MKL.h

./Eigen/src/Core/products/GeneralMatrixVector MKL.h

./Eigen/src/Core/products/GeneralMatrixVector_MKL.h

./Eigen/src/Core/products/SelfadjointMatrixMatrix_MKL.h

./Eigen/src/Core/products/SelfadjointMatrixMatrix MKL.h

./Eigen/src/Core/products/TriangularMatrixMatrix_MKL.h

./Eigen/src/Core/products/TriangularMatrixMatrix MKL.h

./Eigen/src/Core/products/GeneralMatrixMatrix MKL.h ./Eigen/src/Core/products/GeneralMatrixMa

./Eigen/src/Core/products/TriangularMatrixVector MKL.h

./Eigen/src/Core/products/TriangularMatrixVector MKL.h

./Eigen/src/Core/products/GeneralMatrixMatrixTriangular_MKL.h

./Eigen/src/Core/products/GeneralMatrixMatrixTriangular_MKL.h

./Eigen/src/Core/products/TriangularSolverMatrix_MKL.h

./Eigen/src/Core/products/TriangularSolverMatrix MKL.h ./Eigen/src/Core/util/MKL support.h ./Eigen/src/Core/util/MKL_support.h ./Eigen/src/Cholesky/LLT_MKL.h ./Eigen/src/Cholesky/LLT_M Copyright (c) 2011, Intel Corporation. All rights reserved. Redistribution and use in source with or without modification, are permitted provided that the following conditions are met: * source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of Intel Corporation nor the names of its contributors may be used to endorse or promote derived from this software without specific prior written permission. THIS SOFTWARE IS PROVID THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. * / ----applies to: everything under ./bench/btl GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007 Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/> Everyone is permitte distribute verbatim copies of this license document, but changing it is not allowed. Preamble General Public License is a free, copyleft license for software and other kinds of works. The licenses for most software and other practical works are designed to take away your freed and change the works. By contrast, the GNU General Public License is intended to guarantee yo to share and change all versions of a program--to make sure it remains free software for all Free Software Foundation, use the GNU General Public License for most of our software; it app any other work released this way by its authors. You can apply it to your programs, too. When free software, we are referring to freedom, not price. Our General Public Licenses are design that you have the freedom to distribute copies of free software (and charge for them if you w receive source code or can get it if you want it, that you can change the software or use pie free programs, and that you know you can do these things. To protect your rights, we need to from denying you these rights or asking you to surrender the rights. Therefore, you have cert responsibilities if you distribute copies of the software, or if you modify it: responsibilit freedom of others. For example, if you distribute copies of such a program, whether gratis or must pass on to the recipients the same freedoms that you received. You must make sure that t receive or can get the source code. And you must show them these terms so they know their rig Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on t and (2) offer you this License giving you legal permission to copy, distribute and/or modify developers' and authors' protection, the GPL clearly explains that there is no warranty for t For both users' and authors' sake, the GPL requires that modified versions be marked as change their problems will not be attributed erroneously to authors of previous versions. Some device to deny users access to install or run modified versions of the software inside them, althoug manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' change the software. The systematic pattern of such abuse occurs in the area of products for use, which is precisely where it is most unacceptable. Therefore, we have designed this version to prohibit the practice for those products. If such problems arise substantially in other do ready to extend this provision to those domains in future versions of the GPL, as needed to p freedom of users. Finally, every program is threatened constantly by software patents. States allow patents to restrict development and use of software on general-purpose computers, but in do, we wish to avoid the special danger that patents applied to a free program could make it proprietary. To prevent this, the GPL assures that patents cannot be used to render the progr The precise terms and conditions for copying, distribution and modification follow. TERMS AND CONDITIONS 0. Definitions. "This License" refers to version 3 of the GNU General Public Licen "Copyright" also means copyright-like laws that apply to other kinds of works, such as semico. "The Program" refers to any copyrightable work licensed under this License. Each licensee is "you". "Licensees" and "recipients" may be individuals or organizations. To "modify" a work m from or adapt all or part of the work in a fashion requiring copyright permission, other than exact copy. The resulting work is called a "modified version" of the earlier work or a work " earlier work. A "covered work" means either the unmodified Program or a work based on the Pro-"propagate" a work means to do anything with it that, without permission, would make you dire secondarily liable for infringement under applicable copyright law, except executing it on a modifying a private copy. Propagation includes copying, distribution (with or without modific available to the public, and in some countries other activities as well. To "convey" a work m propagation that enables other parties to make or receive copies. Mere interaction with a use computer network, with no transfer of a copy, is not conveying. An interactive user interface "Appropriate Legal Notices" to the extent that it incl

udes a convenient and prominently visible feature that (1) displays an appropriate copyright : tells the user that there is no warranty for the work (except to the extent that warranties a licensees may convey the work under this License, and how to view a copy of this License. If presents a list of user commands or options, such as a menu, a prominent item in the list mee 1. Source Code. The "source code" for a work means the preferred form of the work for making a to it. "Object code" means any non-source form of a work. A "Standard Interface" means an int either is an official standard defined by a recognized standards body, or, in the case of int for a particular programming language, one that is widely used among developers working in the The "System Libraries" of an executable work include anything, other than the work as a whole included in the normal form of packaging a Major Component, but which is not part of that Maj and (b) serves only to enable use of the work with that Major Component, or to implement a St. Interface for which an implementation is available to the public in source code form. A "Majo this context, means a major essential component (kernel, window system, and so on) of the spe operating system (if any) on which the executable work runs, or a compiler used to produce the object code interpreter used to run it. The "Corresponding Source" for a work in object code the source code needed to generate, install, and (for an executable work) run the object code the work, including scripts to control those activities. However, it does not include the wor Libraries, or general-purpose tools or generally available free programs which are used unmod performing those activities but which are not part of the work. For example, Corresponding So interface definition files associated with source files for the work, and the source code for dynamically linked subprograms that the work is specifically designed to require, such as by communication or control flow between those subprograms and other parts of the work. The Corre Source need not include anything that users can regenerate automatically from other parts of Corresponding Source. The Corresponding Source for a work in source code form is that same wo Basic Permissions. All rights granted under this License are granted for the term of copyrigh and are irrevocable provided the stated conditions are met. This License explicitly affirms yes permission to run the unmodified Program. The output from running a covered work is covered by License only if the output, given its content, constitutes a covered work. This License acknow rights of fair use or other equivalent, as provided by copyright law. You may make, run and pre covered works that you do not convey, without conditions so long as your license otherwise ref You may convey covered works to others for the sole purpose of having them make modifications for you, or provide you with facilities for running those works, provided that you comply with License in conveying all material for which you do not control copyright. Those thus making or covered works for you must do so exclusively on your behalf, under your direction and control prohibit them from making any copies of your copyrighted material outside their relationship of Conveying under any other circumstances is permitted solely under the conditions stated below Sublicensing is not allowed; section 10

makes it unnecessary. 3. Protecting Users' Legal Rights From Anti-Circumvention Law. No cover shall be deemed part of an effective technological measure under any applicable law fulfilling under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws pr restricting circumvention of such measures. When you convey a covered work, you waive any leg forbid circumvention of technological measures to the extent such circumvention is effected b rights under this License with respect to the covered work, and you disclaim any intention to modification of the work as a means of enforcing, against the work's users, your or third par forbid circumvention of technological measures. 4. Conveying Verbatim Copies. You may convey copies of the Program's source code as you receive it, in any medium, provided that you consp appropriately publish on each copy an appropriate copyright notice; keep intact all notices s License and any non-permissive terms added in accord with section 7 apply to the code; keep in notices of the absence of any warranty; and give all recipients a copy of this License along You may charge any price or no price for each copy that you convey, and you may offer support protection for a fee. 5. Conveying Modified Source Versions. You may convey a work based on t or the modifications to produce it from the Program, in the form of source code under the term provided that you also meet all of these conditions: a) The work must carry prominent notices modified it, and giving a relevant date. b) The work must carry prominent notices stating tha under this License and any conditions added under section 7. This requirement modifies the resection 4 to "keep intact all notices". c) You must license the entire work, as a whole, unde anyone who comes into possession of a copy. This License will therefore apply, along with any section 7 additional terms, to the whole of the work, and all its parts, regardless of how the This License gives no permission to license the work in any other way, but it does not invalipermission if you have separately received it. d) If the work has interactive user interfaces Appropriate Legal Notices; however, if the Program has interactive

interfaces that do not display Appropriate Legal Notices, your work need not make them do so. of a covered work with other separate and independent works, which are not by their nature exists covered work, and which are not combined with it such as to form a larger program, in or on a storage or distribution medium, is called an "aggregate" if the compilation and its resulting used to limit the access or legal rights of the compilation's users beyond what the individual Inclusion of a covered work in an aggregate does not cause this License to apply to the other aggregate. 6. Conveying Non-Source Forms. You may convey a covered work in object code form un terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding So the terms of this License, in one of these ways: a) Convey the object code in, or embodied in product (including a physical distribution medium), accompanied by the Corresponding Source for durable physical medium customarily used for software interchange. b) Convey the object code is embodied in, a physical product (including a physical distribution medium), accompanied by a valid for at least three years and valid for as long as you offer spare parts or customer supp product model, to give anyone who possesses the object code either (1) a copy of the Correspond

for all the software in the product that is covered by this License, on a durable physical me used for software interchange, for a price no more than your reasonable cost of physically pe conveying of source, or (2) access to copy the Corresponding Source from a network server at : Convey individual copies of the object code with a copy of the written offer to provide the C Source. This alternative is allowed only occasionally and noncommercially, and only if you reobject code with such an offer, in accord with subsection 6b. d) Convey the object code by of from a designated place (gratis or for a charge), and offer equivalent access to the Correspondence of the cor the same way through the same place at no further charge. You need not require recipients to Corresponding Source along with the object code. If the place to copy the object code is a ne the Corresponding Source may be on a different server (operated by you or a third party) that equivalent copying facilities, provided you maintain clear directions next to the object code find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you obligated to ensure that it is available for as long as needed to satisfy these requirements. e) Convey the object code using peer-to-peer transmission, provided you inform other peers wh code and Corresponding Source of the work are being offered to the general public at no charge subsection 6d. A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code w Product" is either (1) a "consumer product", which means any tangible personal property which used for personal, family, or household purposes, or (2) anything designed or sold for incorp. dwelling. In determining whether a product is a consumer product, doubtful cases shall be res of coverage. For a particular product received by a particular user, "normally used" refers t common use of that class of product, regardless of the status of the particular user or of the particular user actually uses, or expects or is expected to use, the product. A product is a regardless of whether the product has substantial commercial, industrial or non-consumer uses uses represent the only significant mode of use of the product. "Installation Information" fo means any methods, procedures, authorization keys, or other information required to install a modified versions of a covered work in that User Product from a modified version of its Corre Source. The information must suffice to ensure that the continued functioning of the modified in no case prevented or interfered with solely because modification has been made. If you con code work under this section in, or with, or specifically for use in, a User Product, and the as part of a transaction in which the right of possession and use of the User Product is tran recipient in perpetuity or for a fixed term (regardless of how the transaction is characterize Corresponding Source conveyed under this section must be accompanied by the Installation Info this requirement does not apply if neither you nor any third party retains the ability to ins code on the User Product (for example, the work has been installed in ROM). The requirement t Installation Information does not include a requirement to continue to provide support service updates for a work that has been modified or installed by the recipient, or for the User Prod been modified or installed. Access to a network may be denied when the modification itself ma adversely affects the operation of the network or violates the rules and protocols for commun the network. Corresponding Source conveyed, and Installation Information provided, in accord section must be in a format that is publicly documented (and with an implementation available source code form), and must require no special password or key for unpacking, reading or copy Additional Terms. "Additional permissions" are terms that supplement the terms of this Licens exceptions from one or more of its conditions. Additional permissions that are applicable to Program shall be treated as though they were included in this License, to the extent that the applicable law. If additional permissions apply only to part of the Program, that part may be under those permissions, but the entire Program remains governed by this License without rega additional permissions. When you convey a copy of a covered work, you may at your option remo additional permissions from that copy, or from any part of it. (Additional permissions may be their own removal in certain cases when you modify the work.) You may place additional permis material, added by you to a covered work, for which you have or can give appropriate copyrigh Notwithstanding any other provision of this License, for material you add to a covered work, authorized by the copyright holders of that material) supplement the terms of this License wi Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 o Requiring preservation of specified reasonable legal notices or author attributions in that m Appropriate Legal Notices displayed by works containing it; or c) Prohibiting misrepresentation that material, or requiring that modified versions of such material be marked in reasonable w. from the original version; or d) Limiting the use for publicity purposes of names of licensor material; or e) Declining to grant rights under trademark law for use of some trade names, tr service marks; or f) Requiring indemnification of licensors and authors of that material by a conveys the material (or modified versions of it) with contractual assumptions of liability to any liability that these contractual assumptions directly impose on those licensors and autho permissive additional terms are considered "further restrictions" within the meaning of sections Program as you received it, or any part of it, contains a notice stating that it is governed ? with a term that is a further restriction, you may remove that term. If a license document co. restriction but permits relicensing or conveying under this

License, you may add to a covered work material governed by the terms of that license documen that the further restriction does not survive such relicensing or conveying. If you add terms in accord with this section, you must place, in the relevant source files, a statement of the that apply to those files, or a notice indicating where to find the applicable terms. Addition or non-permissive, may be stated in the form of a separately written license, or stated as ex above requirements apply either way. 8. Termination. You may not propagate or modify a covere except as expressly provided under this License. Any attempt otherwise to propagate or modify will automatically terminate your rights under this License (including any patent licenses gr. third paragraph of section 11). However, if you cease all violation of this License, then you particular copyright holder is reinstated (a) provisionally, unless and until the copyright h finally terminates your license, and (b) permanently, if the copyright holder fails to notify by some reasonable means prior to 60 days after the cessation. Moreover, your license from a copyright holder is reinstated permanently if the copyright holder notifies you of the violat reasonable means, this is the first time you have received notice of violation of this Licens from that copyright holder, and you cure the violation prior to 30 days after your receipt of Termination of your rights under this section does not terminate the licenses of parties who copies or rights from you under this License. If your rights have been terminated and not per reinstated, you do not qualify to receive new licenses for the same material under section 10 Not Required for Having Copies. You are not required to accept this License in order to recei of the Program. Ancillary propagation of a covered work occurring solely as a consequence of peer transmission to receive a copy likewise does not require acceptance. However, nothing ot License grants you permission to propagate or modify any covered work. These actions infringe you do not accept this License. Therefore, by modifying or propagating a covered work, you in acceptance of this License to do so. 10. Automatic Licensing of Downstream Recipients. Each t convey a covered work, the recipient automatically

receives a license from the original licensors, to run, modify and propagate that work, subject You are not responsible for enforcing compliance by third parties with this License. An "entity a transaction transferring control of an organization, or substantially all assets of one, or organization, or merging organizations. If propagation of a covered work results from an entity each party to that transaction who receives a copy of the work also receives whatever licenses the party's predecessor in interest had or could give under the previous paragraph, plus a rid of the Corresponding Source of the work from the predecessor in interest, if the predecessor I it with reasonable efforts. You may not impose any further restrictions on the exercise of the affirmed under this License. For example, you may not impose a license fee, royalty, or other exercise of rights granted under this License, and you may not initiate litigation (including counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, sell sale, or importing the Program or any portion of it. 11. Patents. A "contributor" is a copyriauthorizes use under this License of the Program or a work on which the Program is based. The licensed is called the contributor's "contributor version". A contributor's "essential patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired infringed by some manner, permitted by this License, of making, using, or selling its contrib do not include claims that would be infringed only as a consequence of further modification o version. For purposes of this definition, "control" includes the right to grant patent sublic consistent with the requirements of this License. Each contributor grants you a non-exclusive royalty-free patent license under the contributor's essential patent claims, to make, use, se import and otherwise run, modify and propagate the contents of its contributor version. In the paragraphs, a "patent license" is any express agreement or commitment, however denominated, n enforce a patent (such as an express permission to practice a patent or covenant not to sue f infringement). To "grant" such a patent license to a party means to make such an agreement or not to enforce a patent against the party. If you convey a covered work, knowingly relying on and the Corresponding Source of the work is not available for anyone to copy, free of charge terms of this License, through a publicly available network server or other readily accessible must either (1) cause the Corresponding Source to be so

available, or (2) arrange to deprive yourself of the benefit of the patent license for this p arrange, in a manner consistent with the requirements of this License, to extend the patent 1 downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the license, your conveying the covered work in a country, or your recipient's use of the covered country, would infringe one or more identifiable patents in that country that you have reason valid. If, pursuant to or in connection with a single transaction or arrangement, you convey, procuring conveyance of, a covered work, and grant a patent license to some of the parties recovered work authorizing them to use, propagate, modify or convey a specific copy of the cove the patent license you grant is automatically extended to all recipients of the covered work . on it. A patent license is "discriminatory" if it does not include within the scope of its co exercise of, or is conditioned on the non-exercise of one or more of the rights that are spec under this License. You may not convey a covered work if you are a party to an arrangement wi party that is in the business of distributing software, under which you make payment to the t on the extent of your activity of conveying the work, and under which the third party grants, parties who would receive the covered work from you, a discriminatory patent license (a) in c copies of the covered work conveyed by you (or copies made from those copies), or (b) primari connection with specific products or compilations that contain the covered work, unless you e arrangement, or that patent license was granted, prior to 28 March 2007. Nothing in this Lice. construed as excluding or limiting any implied license or other defenses to infringement that be available to you under applicable patent law. 12. No Surrender of Others' Freedom. If cond imposed on you (whether by court order, agreement or otherwise) that contradict the condition License, they do not excuse you from the conditions of this License. If you cannot convey a c as to satisfy simultaneously your obligations under this License and any other pertinent obliconsequence you may not convey it at all. For example, if you agree to terms that obligate yo royalty for further conveying from those to whom you convey the Program, the only way you cou both those terms and this License would be to refrain entirely from conveying the Program. 13 GNU Affero General Public License. Notwithstanding any other provision of this License, you h permission to link or combine any covered work with a work licensed under version 3 of the GN General Public License into a single combined work, and to convey the resulting work. The term License will continue to apply to the part which is the covered work, but the special requires Affero General Public License, section 13, concerning interaction through a network will appl

combination as such. 14. Revised Versions of this License. The Free Software Foundation may p revised and/or new versions of the GNU General Public License from time to time. Such new ver similar in spirit to the present version, but may differ in detail to address new problems or version is given a distinguishing version number. If the Program specifies that a certain num the GNU General Public License "or any later version" applies to it, you have the option of f and conditions either of that numbered version or of any later version published by the Free Foundation. If the Program does not specify a version number of the GNU General Public Licens choose any version ever published by the Free Software Foundation. If the Program specifies t can decide which future versions of the GNU General Public License can be used, that proxy's statement of acceptance of a version permanently authorizes you to choose that version for the Later license versions may give you additional or different permissions. However, no addition are imposed on any author or copyright holder as a result of your choosing to follow a later Disclaimer of Warranty. THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. Limitation of Liability. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 17. Interpretation of Sections 15 and 16. If the disclaimer of warranty and limitation of lia cannot be given local legal effect according to their terms, reviewing courts shall apply loc. closely approximates an absolute waiver of all civil liability in connection with the Program or assumption of liability accompanies a copy of the Program in return for a fee. END OF TERM CONDITIONS How to Apply These Terms to Your New Programs If you develop a new program, and yo want it to be of the greatest possible use to the public, the best way to achieve this is to a which everyone can redistribute and change under these terms. To do so, attach the following program. It is safest to attach them to the start of each source file to most effectively sta warranty; and each file should have at least the "copyright" line and a pointer to where the < one line to give the program's name and a brief idea of what it does. gt; Copyright (C) & <name of author> This program is free software: you can redistribute it and/or modify i of the GNU General Public License as published by the Free Software Foundation, either version License, or (at your option) any later version. This program is distributed in the hope that WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have rece a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>. Also add information on how to contact you by electroni mail. If the program does terminal interaction, make it output a short notice like this when interactive mode: <program> Copyright (C) <year> <name of author> This prog ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome redistribute it under certain conditions; type `show c' for details. The hypothetical command

redistribute it under certain conditions; type `show c' for details. The hypothetical commands `show c' should show the appropriate parts of the General Public License. Of course, your proc commands might be different; for a GUI interface, you would

./unsupported/Eigen/src/IterativeSolvers/ConstrainedConjGrad.h

./unsupported/Eigen/src/Eigenvalues/ArpackSelfAdjointEigenSolver.h ./Eigen/src/OrderingMethod ./Eigen/src/SparseCholesky/SimplicialCholesky_impl.h GNU LESSER GENERAL PUBLIC LICENSE Versio 3, 29 June 2007 Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/> Eve permitted to copy and distribute verbatim copies of this license document, but changing it is version of the GNU Lesser General Public License incorporates the terms and conditions of ver GNU General Public License, supplemented by the additional permissions listed below. 0. Addit Definitions. As used herein, "this License" refers to version 3 of the GNU Lesser General Pub the "GNU GPL" refers to version 3 of the GNU General Public License. "The Library" refers to governed by this License, other than an Application or a Combined Work as defined below. An ". is any work that makes use of an interface provided by the Library, but which is not otherwise Library. Defining a subclass of a class defined by the Library is deemed a mode of using an is provided by the Library. A "Combined Work" is a work produced by combining or linking an Appl the Library. The particular version of the Library with which the Combined Work was made is a "Linked

Version". The "Minimal Corresponding Source" for a Combined Work means the Corresponding Sourthe Combined Work, excluding any source code for portions of the Combined Work that, considerisolation, are based on the Application, and not on the Linked Version. The "Corresponding Ap Code" for a Combined Work means the object code and/or source code for the Application, includata and utility programs needed for reproducing the Combined Work from the Application, but System Libraries of the Combined Work. 1. Exception to Section 3 of the GNU GPL. You may conv covered work under sections 3 and 4 of this License without being bound by section 3 of the GConveying Modified Versions. If you modify a copy of the Library, and, in your modifications, to a function or data to be supplied by an Application that uses the facility (other than as when the facility is invoked), then you may convey a copy of the modified version: a) under t provided that you make a good faith effort to ensure that, in the event an Application does n function or data, the facility still operates, and performs whatever part of its purpose rema b) under the GNU GPL, with none of the additional permissions of this License applicable to t Object Code Incorporating Material from Library Header Files. The object code form of an Appl incorporate material from a header file that is part of the Library. You may convey such obje terms of your choice, provided that, if the incorporated material is not limited to numerical structure layouts and accessors, or small macros, inline functions and templates (ten or fewe you do both of the following: a) Give prominent notice with each copy of the object code that used in it and that the Library and its use are covered by this License. b) Accompany the obj copy of the GNU GPL and this license document. 4. Combined Works. You may convey a Combined W. under terms of your choice that, taken together, effectively do not restrict modification of Library contained in the Combined Work and reverse engineering for debugging such modification also do each of

the following: a) Give prominent notice with each copy of the Combined Work that the Library is that the Library and its use are covered by this License. b) Accompany the Combined Work with the GNU GPL and this license document. c) For a Combined Work that displays copyright notices

execution, include the copyright notice for the Library among these notices, as well as a refe the user to the copies of the GNU GPL and this license document. d) Do one of the following: Minimal Corresponding Source under the terms of this License, and the Corresponding Application form suitable for, and under terms that permit, the user to recombine or relink the Application version of the Linked Version to produce a modified Combined Work, in the manner specified by the GNU GPL for conveying Corresponding Source. 1) Use a suitable shared library mechanism fo with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library on the user's computer system, and (b) will operate properly with a modified version of the L interface-compatible with the Linked Version. e) Provide Installation Information, but only i otherwise be required to provide such information under section 6 of the GNU GPL, and only to that such information is necessary to install and execute a modified version of the Combined by recombining or relinking the Application with a modified version of the Linked Version. (I 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresp Application Code. If you use option 4d1, you must provide the Installation Information in the by section 6 of the GNU GPL for conveying Corresponding Source.) 5. Combined Libraries. You m library facilities that are a work based on the Library side by side in a single library toge facilities that are not Applications and are not covered by this License, and convey such a c under terms of your choice, if you do both of the following: a) Accompany the combined librar the same work based on the Library, uncombined with any other library facilities, conveyed un of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library explaining where to find the accompanying uncombined form of the same work. 6. Revised Version GNU Lesser General Public License. The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be spirit to the present version, but may differ in detail to address new problems or concerns. If given a distinguishing version number. If the Library as you received it specifies that a cert version of the GNU Lesser General Public License "or any later version" applies to it, you hav following the terms and conditions either of that published version or of any later version public Lesser General Public License, you may choose any version of the GNU Lesser General Public Lice published by the Free Software Foundation. If the Library as you received it specifies that a whether future versions of the GNU Lesser General Public License shall apply, that proxy's publ of acceptance of any version is permanent authorization for you to choose that version for the ------ Following applies to:

./unsupported/Eigen/src/LevenbergMarquardt/LevenbergMarquardt.h

./unsupported/Eigen/src/LevenbergMarquardt/LMcovar.h

./unsupported/Eigen/src/LevenbergMarquardt/LMonestep.h

./unsupported/Eigen/src/LevenbergMarquardt/LMpar.h

./unsupported/Eigen/src/LevenbergMarquardt/LMqrsolv.h Minpack Copyright Notice (1999) Univers Chicago. All rights reserved Redistribution and use in source and binary forms, with or without are permitted provided that the following conditions are met: 1. Redistributions of source coabove copyright notice, this list of conditions and the following disclaimer. 2. Redistribution must reproduce the above copyright notice, this list of conditions and the following disclaimed documentation and/or other materials provided with the distribution. 3. The end-user document with the redistribution, if any, must include the following acknowledgment:

"This product includes software developed by the University of Chicago, as Operator of Argonn Laboratory. Alternately, this acknowledgment may appear in the software itself, if and wherever party acknowledgments normally appear. 4. WARRANTY DISCLAIMER. THE SOFTWARE IS SUPPLIED "AS IS" WITHOUT WARRANTY OF ANY KIND. THE COPYRIGHT HOLDER, THE UNITED STATES, THE UNITED STATES DEPARTMENT OF ENERGY, AND THEIR EMPLOYEES: (1) DISCLAIM ANY WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE OR NON-INFRINGEMENT, (2) DO NOT ASSUME ANY LEGAL LIABILITY OR RESPONSIBILITY FOR THE ACCURACY, COMPLETENESS, OR USEFULNESS OF THE SOFTWARE, (3) DO NOT REPRESENT THAT USE OF THE SOFTWARE WOULD NOT INFRINGE PRIVATELY OWNED RIGHTS, (4) DO NOT WARRANT THAT THE SOFTWARE WILL FUNCTION UNINTERRUPTED, THAT IT IS ERROR-FREE OR THAT ANY ERRORS WILL BE CORRECTED. 5. LIMITATION OF LIABILITY. IN NO EVENT WILL THE COPYRIGHT HOLDER, THE UNITED STATES, THE UNITED STATES DEPARTMENT OF ENERGY, OR THEIR EMPLOYEES: BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL OR PUNITIVE DAMAGES OF ANY KIND OR NATURE, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS OR LOSS OF DATA, FOR ANY REASON WHATSOEVER, WHETHER SUCH LIABILITY IS ASSERTED ON THE BASIS OF CONTRACT, TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY), OR OTHERWISE, EVEN IF ANY OF SAID PARTIES HAS BEEN WARNED OF THE POSSIBILITY OF http://freetype.sourceforge.net/license.html: FreeType comes with two licenses from which you the one which fits your needs best. * The FreeType License is the most commonly used one. It style license with a credit clause (and thus not compatible with the GPL). \star The GNU General (GPL). For all projects which use the GPL also or which need a license compatible to the GPL. The FreeType Project LICENSE ------ 2006-Jan-27 Copyright 1996-2002, 20 Turner, Robert Wilhelm, and Werner Lemberg Introduction ======== The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeTyp various tools and contributions which rely on, or relate to, the FreeType Project. This licen files found in such packages, and which do not fall under their own explicit license. The lice the FreeType font engine, the test programs, documentation and makefiles, at the very least. was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encou inclusion and use of free software in commercial and freeware products alike. As a consequence points are that: o We don't promise that this software works. However, we will be interested bug reports. (`as is' distribution) o You can use this software for whatever you want, in par without having to pay us. (`royalty-free' usage) o You may not pretend that you wrote this so it, or only parts of it, in a program, you must acknowledge somewhere in your documentation t used the FreeType code. (`credits') We specifically permit and encourage the inclusion of thi or without modifications, in commercial products. We disclaim all warranties covering The Free and assume no liability related to The FreeType Project. Finally, many people asked us for a for a credit/disclaimer to use in compliance with this license. We thus encourage you to use """ Portions of this software are copyright (C) <year> The FreeType Project (www.freety reserved. """

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREETYPE PROJECT. 2. Redistribution ------ This license g worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform display, copy, create derivative works of, distribute and sublicense the FreeType Project (in object code forms) and derivative works thereof for any purpose; and to authorize others to enall of the rights granted herein, subject to the following conditions: o Redistribution of so this license file

(`FTL.TXT') unaltered; any additions, deletions or changes to the original files must be clea accompanying documentation. The copyright notices of the unaltered, original files must be procopies of source files. o Redistribution in binary form must provide a disclaimer that states is based in part of the work of the FreeType Team, in the distribution documentation. We also to put an URL to the FreeType web page in your documentation, though this isn't mandatory. The conditions apply to any software derived from or based on the FreeType Project, not just the If you use our work, you must acknowledge us. However, no fee need be paid to us. 3. Advertis - Neither the FreeType authors and contributors nor you shall use the name of the other for c advertising, or promotional purposes without specific prior written permission. We suggest, b require, that you use one or more of the following phrases to refer to this software in your advertising materials: `FreeType Project', `FreeType Engine', `FreeType library', or `FreeTyp As you have not signed this license, you are not required to accept it. However, as the FreeT copyrighted material, only this license, or another one contracted with the authors, grants y use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType indicate that you understand and accept all the terms of this license. 4. Contacts -----mailing lists related to FreeType: o freetype@nongnu.org Discusses general use and applicatio. FreeType, as well as future and wanted additions to the library and distribution. If you are start in this list if you haven't found anything to help you in the documentation. o freetype Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc. can be found at

Component Licenses Component Location Primary Author License ---------- Main Mesa code src/mesa/ Brian Paul Mesa (MIT) Device drivers src/mesa/ drivers See drivers Ext headers include/GL/glext.h SGI SGI Free B include/GL/glxext.h GLUT sr Kilgard Mark's copyright GLEW src/glew-1.13.0 Nigel Stewart Modified BSD Mesa GLU library src Brian Paul GNU-LGPL SGI GLU library src/glu/sgi/ SGI SGI Free B demo programs progs/demos/ va see source files X demos progs/xdemos/ Brian Paul see source files SGI demos progs/samples/ S copyright RedBook demos progs/redbook/ SGI SGI copyright ------ Permission is free of charge, to any person obtaining a copy of this software and associated documentation "Software"), to deal in the Software without restriction, including without limitation the right modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to pe whom the Software is furnished to do so, subject to the following conditions: The above copyr this permission notice shall be included in all copies or substantial portions of the Softward SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL BRIAN PAUL BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. -----Permission to use, copy, modify, distribute, and sell this software and its documentation for hereby granted without fee, provided that the above copyright notice appear in all copies and

copyright notice and this permission notice appear in supporting documentation, and that the Hourihane not be used in advertising or publicity pertaining to distribution of the software

written prior permission. Alan Hourihane makes no representations about the suitability of th any purpose. It is provided "as is" without express or implied warranty. ALAN HOURIHANE DISCL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL ALAN HOURIHANE BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----LIBRARY GENERAL PUBLIC LICENSE Version 2, June 1991 Copyright (C) 1991 Free Software Foundation, Inc. 675 Mass Ave, Cambridge, MA 02139, USA Everyone is permitted to copy and dis verbatim copies of this license document, but changing it is not allowed. [This is the first the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.] Preamb for most software are designed to take away your freedom to share and change it. By contrast, General Public Licenses are intended to guarantee your freedom to share and change free softw. make sure the software is free for all its users. This license, the Library General Public Li some specially designated Free Software Foundation software, and to any other libraries whose decide to use it. You can use it for your libraries, too. When we speak of free software, we freedom, not price. Our General Public Licenses are designed to make sure that you have the f distribute copies of free software (and charge for this service if you wish), that you receive can get it if you want it, that you can change the software or use pieces of it in new free p you know you can do these things. To protect your rights, we need to make restrictions that f deny you these rights or to ask you to surrender the rights.

These restrictions translate to certain responsibilities for you if you distribute copies of modify it. For example, if you distribute copies of the library, whether gratis or for a fee, recipients all the rights that we gave you. You must make sure that they, too, receive or can code. If you link a program with the library, you must provide complete object files to the rethey can relink them with the library, after making changes to the library and recompiling it show them these terms so they know their rights. Our method of protecting your rights has two copyright the library, and (2) offer you this license which gives you legal permission to cop modify the library. Also, for each distributor's protection, we want to make certain that eve that there is no warranty for this free library. If the library is modified by someone else a want its recipients to know that what they have is not the original version, so that any prob others will not reflect on the original authors' reputations. Finally, any free program is th by software patents. We wish to avoid the danger that companies distributing free software wi obtain patent licenses, thus in effect transforming the program into proprietary software. To have made it clear that any patent must be licensed for everyone's free use or not licensed a software, including some libraries, is covered by the ordinary GNU General Public License, wh designed for utility programs. This license, the GNU Library General Public License, applies designated libraries. This license is quite different from the ordinary one; be sure to read assume that anything in it is the same as in the ordinary license. The reason we have a separlicense for some libraries is that they blur the distinction we usually make between modifying program and simply using it. Linking a program with a library, without changing the library, simply using the library, and is analogous to running a utility program or application program textual and legal sense, the linked executable is a combined work, a derivative of the origin ordinary General Public License treats it as such. Because of this blurred distinction, using General Public License for libraries did not effectively promote software sharing, because mo did not use the libraries. We concluded that weaker conditions might promote sharing better. unrestricted linking of non-free programs would deprive the users of those programs of all be free status of the libraries themselves. This Library General Public License is intended to p of non-free programs to use free libraries, while preserving your freedom as a user of such p

change the free

libraries that are incorporated in them. (We have not seen how to achieve this as regards cha files, but we have achieved it as regards changes in the actual functions of the Library.) The will lead to faster development of free libraries. The precise terms and conditions for copying modification follow. Pay close attention to the difference between a "work based on the libra that uses the library". The former contains code derived from the library, while the latter of with the library. Note that it is possible for a library to be covered by the ordinary Genera rather than by this special one. GNU LIBRARY GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party sayi distributed under the terms of this Library General Public License (also called "this License is addressed as "you". A "library" means a collection of software functions and/or data prepa conveniently linked with application programs (which use some of those functions and data) to executables. The "Library", below, refers to any such software library or work which has been under these terms. A "work based on the Library" means either the Library or any derivative w copyright law: that is to say, a work containing the Library or a portion of it, either verba modifications and/or translated straightforwardly into another language. (Hereinafter, translwithout limitation in the term "modification".) "Source code" for a work means the preferred for making modifications to it. For a library, complete source code means all the source code it contains, plus any associated interface definition files, plus the scripts used to control installation of the library. Activities other than copying, distribution and modification are License; they are outside its scope. The act of running a program using the Library is not re output from such a program is covered only if its contents constitute a work based on the Lib (independent of the use of the Library in a tool for writing it). Whether that is true depend does and what the program that uses the Library does. 1. You may copy and distribute verbatim Library's complete source code as you receive it, in any medium, provided that you conspicuou appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty the notices that refer to this License and to the absence of any warranty; and distribute a c along with the

Library. You may charge a fee for the physical act of transferring a copy, and you may at you warranty protection in exchange for a fee. 2. You may modify your copy or copies of the Libra portion of it, thus forming a work based on the Library, and copy and distribute such modific under the terms of Section 1 above, provided that you also meet all of these conditions: a) T must itself be a software library. b) You must cause the files modified to carry prominent no you changed the files and the date of any change. c) You must cause the whole of the work to 3 no charge to all third parties under the terms of this License. d) If a facility in the modif function or a table of data to be supplied by an application program that uses the facility, argument passed when the facility is invoked, then you must make a good faith effort to ensurevent an application does not supply such function or table, the facility still operates, and part of its purpose remains meaningful. (For example, a function in a library to compute squa purpose that is entirely well-defined independent of the application. Therefore, Subsection 2any application-supplied function or table used by this function must be optional: if the app supply it, the square root function must still compute square roots.) These requirements appl work as a whole. If identifiable sections of that work are not derived from the Library, and considered independent and separate works in themselves, then this License, and its terms, do those sections when you distribute them as separate works. But when you distribute the same se part of a whole which is a work based on the Library, the distribution of the whole must be o this License, whose permissions for other licensees extend to the entire whole, and thus to e part regardless of who wrote it. Thus, it is not the intent of this section to claim rights o work written entirely by you; rather, the intent is to exercise the right to control the dist collective works based on the Library. In addition, mere aggregation of another work not based with the Library (or with a work based on the Library) on a volume of a storage or distribution not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this given copy of the Library. To do this, you must alter all the notices that refer to this Lice to the ordinary GNU General Public License, version 2, instead of to this License. (If a newe version 2 of the ordinary GNU General Public License has appeared, then you can specify that instead if you wish.) Do not make any other change in these notices. Once this change is made copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to copies and derivative works made from that copy. This option is useful when you wish to copy code of the Library into a program that is not a library. 4. You may copy and distribute the portion or derivative of it, under Section 2) in object code or executable form under the term and 2 above provided that you accompany it with the complete corresponding machine-readable s code, which must be distributed under the terms of Sections 1 and 2 above on a medium customa for software interchange. If distribution of object code is made by offering access to copy f place, then offering equivalent access to copy the source code from the same place satisfies to distribute the source code, even though third parties are not compelled to copy the source object code. 5. A program that contains no derivative of any portion of the Library, but is d with the Library by being compiled or linked with it, is called a "work that uses the Library isolation, is not a derivative work of the Library, and therefore falls outside the scope of However, linking a "work that uses the Library" with the Library creates an executable that i the Library (because it contains portions of the Library), rather than a "work that uses the executable is therefore covered by this License. Section 6 states terms for distribution of s When a "work that uses the Library" uses material from a header file that is part of the Libr code for the work may be a derivative work of the Library even though the source code is not. true is especially significant if the work can be linked without the Library, or if the work threshold for this to be true is not precisely defined by law. If such an object file uses on parameters, data structure layouts and accessors, and small macros and small inline functions less in length), then the use of the object file is unrestricted, regardless of whether it is work. (Executables containing this object code plus portions of the Library will still fall u Otherwise, if the work is a derivative of the Library, you may distribute the object code for under the terms of Section 6. Any executables containing that work also fall under Section 6, they are linked directly with the Library itself. 6. As an exception to the Sections above, y or link a "work that uses the Library" with the Library to produce a work containing portions distribute that work under terms of your choice, provided that the terms permit modification customer's own use and reverse engineering for debugging such modifications. You must give pronotice with each copy of the work that the Library is used in it and that the Library and its this License. You must supply a copy of this License. If the work during execution displays c you must include the copyright notice for the Library among them, as well as a reference dire the copy of this License. Also, you must do one of these things: a) Accompany the work with t corresponding machine-readable source code for the Library including whatever changes were us work (which must be distributed under Sections 1 and 2 above); and, if the work is an executa the Library, with the complete machine-readable "work that uses the Library", as object code code, so that the user can modify the Library and then relink to produce a modified executable modified Library. (It is understood that the user who changes the contents of definitions filnot necessarily be able to recompile the application to use the modified definitions.) b) Acc with a written offer, valid for at least three years, to give the same user the materials spe 6a, above, for a charge no more than the cost of performing this distribution. c) If distribu made by offering access to copy from a designated place, offer equivalent access to copy the specified materials from the same place. d) Verify that the user has already received a copy materials or that you have already sent this user a copy. For an executable, the required for that uses the Library" must include any data and utility programs needed for reproducing the it. However, as a special exception, the source code distributed need not include anything the distributed (in either source or binary form) with the major components (compiler, kernel, and operating system on which the executable runs, unless that component itself accompanies the exmay happen that this requirement contradicts the license restrictions of other proprietary lit normally

accompany the operating system. Such a contradiction means you cannot use both them and the L together in an executable that you distribute. 7. You may place library facilities that are a Library side-by-side in a single library together with other library facilities not covered b distribute such a combined library, provided that the separate distribution of the work based and of the other library facilities is otherwise permitted, and provided that you do these two Accompany the combined library with a copy of the same work based on the Library, uncombined other library facilities. This must be distributed under the terms of the Sections above. b) notice with the combined library of the fact that part of it is a work based on the Library, to find the accompanying uncombined form of the same work. 8. You may not copy, modify, subliwith, or distribute the Library except as expressly provided under this License. Any attempt copy, modify, sublicense, link with, or distribute the Library is void, and will automaticall under this License. However, parties who have received copies, or rights, from you under this have their licenses terminated so long as such parties remain in full compliance. 9. You are accept this License, since you have not signed it. However, nothing else grants you permission distribute the Library or its derivative works. These actions are prohibited by law if you do License. Therefore, by modifying or distributing the Library (or any work based on the Librar your acceptance of this License to do so, and all its terms and conditions for copying, distr modifying the Library or works based on it. 10. Each time you redistribute the Library (or an the Library), the recipient automatically receives a license from the original licensor to co with or modify the Library subject to these terms and conditions. You may not impose any furt on the recipients' exercise of the rights granted herein. You are not responsible for enforcithird parties to this License. 11. If, as a consequence of a court judgment or allegation of or for any other reason (not limited to patent issues), conditions are imposed on you (whethe agreement or otherwise) that contradict the conditions of this License, they do not excuse yo conditions of this License. If you cannot distribute so as to satisfy simultaneously your obl License and any other pertinent obligations, then as a consequence you may not distribute the For example, if a patent license would not permit royalty-free redistribution of the Library receive copies directly or indirectly through you, then

the only way you could satisfy both it and this License would be to refrain entirely from dist Library. If any portion of this section is held invalid or unenforceable under any particular balance of the section is intended to apply, and the section as a whole is intended to apply a circumstances. It is not the purpose of this section to induce you to infringe any patents or right claims or to contest validity of any such claims; this section has the sole purpose of p integrity of the free software distribution system which is implemented by public license prace people have made generous contributions to the wide range of software distributed through that reliance on consistent application of that system; it is up to the author/donor to decide if p distribute software through any other system and a licensee cannot impose that choice. This set interfaces, the original copyright holder who places the Library under this License may add an geographical distribution limitation excluding those countries, so that distribution is permit among countries not thus excluded. In such case, this License incorporates the limitation as body of this License. 13. The Free Software Foundation may publish revised and/or new versions Library General Public License from time to time. Such new versions will be similar in spirit version, but may differ in detail to address new problems or concerns. Each version is given a version number. If the Library specifies a version number of this License which applies to it version", you have the option of following the terms and conditions either of that version or version published by the Free Software Foundation. If the Library does not specify a license you may choose any version ever published by the Free Software Foundation. 14. If you wish to parts of the Library into other free programs whose distribution conditions are incompatible to the author to ask for permission. For software which is copyrighted by the Free Software Foundation will be at two goals of preserving the free status of all derivatives of our free software and of promotor reuse of software generally. NO WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.

EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS Appendix: How to Apply These Terms to Your New Libraries If you develop a new library, and you want it greatest possible use to the public, we recommend making it free software that everyone can rechange. You can do so by permitting redistribution under these terms (or, alternatively, unde ordinary General Public License). To apply these terms, attach the following notices to the l to attach them to the start of each source file to most effectively convey the exclusion of w file should have at least the "copyright" line and a pointer to where the full notice is found the library's name and a brief idea of what it does.> Copyright (C) <year> <name library is free software; you can redistribute it and/or modify it under the terms of the GNU Public License as published by the Free Software Foundation; either version 2 of the License, option) any later version. This library is distributed in the hope that it will be useful, bu WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have receive of the GNU Library General Public License along with this library; if not, write to the Free Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA. Also add information on how to cont. electronic and paper mail. You should also get your employer (if you work as a programmer) or if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright library `Frob' (a library for tweaking knobs) written by James Random Hacker. <signature o April 1990 Ty Coon, President of Vice That's all there is to it! ----- The Op. Wrangler Library Copyright (C) 2002-2008, Milan Ikits <milan ikits[]ieee org> Copyright

Marcelo E. Magallon <mmagallo[]debian org> Copyright (C) 2002, Lev Povalahev All rights Redistribution and use in source and binary forms, with or without modification, are permitted the following conditions are met: * Redistributions of source code must retain the above copyright

list of conditions and the following disclaimer. * Redistributions in binary form must reprod copyright notice, this list of conditions and the following disclaimer in the documentation a materials provided with the distribution. * The name of the author may be used to endorse or products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR US REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions use, reproduction,

and distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean t owner or entity authorized by the copyright owner that is granting the License. "Legal Entity union of the acting entity and all other entities that control, are controlled by, or are und with that entity. For the purposes of this definition, "control" means (i) the power, direct the direction or management of such entity, whether by contract or otherwise, or (ii) ownersh (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" mean an individual or Legal Entity exercising permissions granted by this License. "Source" f the preferred form for making modifications, including but not limited to software source cod source, and configuration files. "Object" form shall mean any form resulting from mechanical or translation of a Source form, including but not limited to compiled object code, generated and conversions to other media types. "Work" shall mean the work of authorship, whether in So Object form, made available under the License, as indicated by a copyright notice that is inc attached to the work (an example is provided in the Appendix below). "Derivative Works" shall work, whether in Source or Object form, that is based on (or derived from) the Work and for wi editorial revisions, annotations, elaborations, or other modifications represent, as a whole, authorship. For the purposes of this License, Derivative Works shall not include works that re from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works the "Contribution" shall mean any work of authorship, including the original version of the Work modifications or additions to that Work or Derivative Works thereof, that is intentionally su for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorizbehalf of the copyright owner. For the purposes of this definition, "submitted" means any for verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by the owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal 3 of whom a Contribution has been received by Licensor and subsequently incorporated within the 2. Grant of Copyright License. Subject to the terms and conditions of this License, each Cont grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable cop reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and d Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to mak

offer to sell, sell, import, and otherwise transfer the Work, where such license applies only claims licensable by such Contributor that are necessarily infringed by their Contribution(s) combination of their Contribution(s) with the Work to which such Contribution(s) was submitted institute patent litigation against any entity (including a cross-claim or counterclaim in a the Work or a Contribution incorporated within the Work constitutes direct or contributory pa then any patent licenses granted to You under this License for that Work shall terminate as o litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work o thereof in any medium, with or without modifications, and in Source or Object form, provided the following conditions: (a) You must give any other recipients of the Work or Derivative Wo License; and (b) You must cause any modified files to carry prominent notices stating that Yo files; and (c) You must retain, in the Source form of any Derivative Works that You distribut patent, trademark, and attribution notices from the Source form of the Work, excluding those : not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided

that such additional attribution notices cannot be construed as modifying the License. You ma copyright statement to Your modifications and may provide additional or different license term conditions for use, reproduction, or distribution of Your modifications, or for any such Deri whole, provided Your use, reproduction, and distribution of the Work otherwise complies with stated in this License. 5. Submission of Contributions. Unless You explicitly state otherwise intentionally submitted for inclusion in the Work by You to the Licensor shall be under the to conditions of this License, without any additional terms or conditions. Notwithstanding the a herein shall supersede or modify the terms of any separate license agreement you may have exe Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission trade names, trademarks, service marks, or product names of the Licensor, except as required reasonable and customary use in describing the origin of the Work and reproducing the content NOTICE file. 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in wri provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITH WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using o redistributing the Work and assume any risks associated with Your exercise of permissions und License. 8. Limitation of Liability. In no event and under no legal theory, whether in tort (negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted

Contributor by reason of your accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, with the fields enc "[]" replaced with your own identifying information. (Don't include the brackets!) The text s in the appropriate comment syntax for the file format. We also recommend that a file or class description of purpose be included on the same "printed page" as the copyright notice for eas within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the Ap. Version 2.0 (the "License"); you may not use this file except in compliance with the License. a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applic agreed to in writing, software distributed under the License is distributed on an "AS IS" BAS WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the spec language governing permissions and limitations under the License. ---------- License for the slf4j package -----SLF4J License Copyright (c) 2004-2007 QOS.ch All rights reserved. Permission is hereby grante charge, to any person obtaining a copy of this software and associated documentation files (t to deal in the Software without restriction, including without limitation the rights to use, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to Software is furnished to do so, subject to the following conditions: The above copyright noti permission notice shall be included in all copies or substantial portions of the Software. TH PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. These terms are identical to those of the MIT License, also called the X License or the X11 L a simple, permissive non-copyleft free software license. It is deemed compatible with virtual licenses, commercial or otherwise. In particular, the Free Software Foundation has declared i with GNU GPL. It is also known to be approved by the Apache Software Foundation as compatible Apache Software License. ----package ----- THE AC PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT. 1. DEFINITIONS "Contribution" means: a) in the case of the initial Contrib initial code and documentation distributed under this Agreement, and b) in the case of each s Contributor: i) changes to the Program, and ii) additions to the Program; where such changes . additions to the Program originate from and are distributed by that particular Contributor. A 'originates' from a Contributor if it was added to the Program by such Contributor itself or such Contributor's behalf. Contributions do not include additions to the Program which: (i) a modules of software distributed in conjunction with the Program under their own license agrees are not derivative works of the Program. "Contributor" means any person or entity that distri Program. "Licensed Patents " mean patent claims licensable by a Contributor which are necessa by the use or sale of its Contribution alone or when combined with the Program. "Program" mea Contributions distributed in accordance with this Agreement. "Recipient" means anyone who rec Program under this Agreement, including all Contributors. 2. GRANT OF RIGHTS a) Subject to the this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royaltylicense to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and su

reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sub Contribution of such Contributor, if any, and such derivative works, in source code and object Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclus: royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import transfer the Contribution of such Contributor, if any, in source code and object code form. T shall apply to the combination of the Contribution and the Program if, at the time the Contri: the Contributor, such addition of the Contribution causes such combination to be covered by t Patents. The patent license shall not apply to any other combinations which include the Contr hardware per se is licensed hereunder. c) Recipient understands that although each Contributo licenses to its Contributions set forth herein, no assurances are provided by any Contributor does not infringe the patent or other intellectual property rights of any other entity. Each any liability to Recipient for claims brought by any other entity based on infringement of in rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, hereby assumes sole responsibility to secure any other intellectual property rights needed, i example, if a third party patent license is required to allow Recipient to distribute the Proresponsibility to acquire that license before distributing the Program. d) Each Contributor re its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the co in this Agreement. 3. REQUIREMENTS A Contributor may choose to distribute the Program in obje form under its own license agreement, provided that: a) it complies with the terms and condit Agreement; and b) its license agreement: i) effectively disclaims on behalf of all Contributo and conditions, express and implied, including warranties or conditions of title and non-infr implied warranties or conditions of merchantability and fitness for a particular purpose; ii) on behalf of all Contributors all liability for damages, including direct, indirect, special, consequential damages, such as lost profits; iii) states that any provisions which differ from are offered by that Contributor alone and not by any other party; and iv) states that source Program is available from such Contributor, and informs licensees how to obtain it in a reaso on or through a medium customarily used for software exchange.

When the Program is made available in source code form: a) it must be made available under th Agreement; and b) a copy of this Agreement must be included with each copy of the Program. Co. may not remove or alter any copyright notices contained within the Program. Each Contributor itself as the originator of its Contribution, if any, in a manner that reasonably allows subsidentify the originator of the Contribution. 4. COMMERCIAL DISTRIBUTION Commercial distributo software may accept certain responsibilities with respect to end users, business partners and this license is intended to facilitate the commercial use of the Program, the Contributor who Program in a commercial product offering should do so in a manner which does not create poten for other Contributors. Therefore, if a Contributor includes the Program in a commercial prod such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") ari lawsuits and other legal actions brought by a third party against the Indemnified Contributor caused by the acts or omissions of such Commercial Contributor in connection with its distrib Program in a commercial product offering. The obligations in this section do not apply to any Losses relating to any actual or alleged intellectual property infringement. In order to qual Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defe related settlement negotiations. The Indemnified Contributor may participate in any such claim expense. For example, a Contributor might include the Program in a commercial product offering That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes claims, or offers warranties related to Product X, those performance claims and warranties are Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor defend claims against the other Contributors related to those performance claims and warranticourt requires any other Contributor to pay any damages as a result, the Commercial Contribut those damages. 5. NO WARRANTY EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY

KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using an the Program and assumes all risks associated with its exercise of rights under this Agreement not limited to the risks and costs of program errors, compliance with applicable laws, damage data,

programs or equipment, and unavailability or interruption of operations. 6. DISCLAIMER OF LIA EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 7. GENERAL If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not af enforceability of the remainder of the terms of this Agreement, and without further action by hereto, such provision shall be reformed to the minimum extent necessary to make such provision enforceable. If Recipient institutes patent litigation against a Contributor with respect to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses gra Contributor to such Recipient under this Agreement shall terminate as of the date such litiga addition, if Recipient institutes patent litigation against any entity (including a cross-cla lawsuit) alleging that the Program itself (excluding combinations of the Program with other s hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Se terminate as of the date such litigation is filed. All Recipient's rights under this Agreemen fails to comply with any of the material terms or conditions of this Agreement and does not c in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's this Agreement terminate, Recipient agrees to cease use and distribution of the Program as so reasonably practicable. However, Recipient's obligations under this Agreement and any license Recipient relating to the Program shall continue and survive. Everyone is permitted to copy a copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted an modified in the following manner. The Agreement Steward reserves the right to publish new ver (including revisions) of this Agreement from time to time. No one other than the Agreement St right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the resp. serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreeme given a distinguishing version number. The Program (including Contributions) may always be di subject to the version of the Agreement under which it was received. In addition, after a new Agreement is published, Contributor may elect to distribute the Program (including its Contri the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receive licenses to the intellectual property of any Contributor under this Agreement, whether expres implication, estoppel or otherwise. All rights in the Program not expressly granted under thi reserved.

 2.1.] Preamble The licenses for most software are designed to take away your freedom to share it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to sh change free software--to make sure the software is free for all its users. This license, the Public License, applies to some specially designated software packages--typically libraries--Software Foundation and other authors who decide to use it. You can use it too, but we sugges think carefully about whether this license or the ordinary General Public License is the bette in any particular case, based on the explanations below. When we speak of free software, we a freedom of use, not price. Our General Public Licenses are designed to make sure that you have freedom to distribute copies of free software (and charge for this service if you wish); that code or can get it if you want it; that you can change the software and use pieces of it in n and that you are informed that you can do these things. To protect your rights, we need to ma that forbid distributors to deny you these rights or to ask you to surrender these rights. The translate to certain responsibilities for you if you distribute copies of the library or if y example, if you distribute copies of the library, whether gratis or for a fee, you must give rights that we gave you. You must make sure that they, too, receive or can get the source cod other code with the library, you must provide

complete object files to the recipients, so that they can relink them with the library after a the library and recompiling it. And you must show them these terms so they know their rights. your rights with a two-step method: (1) we copyright the library, and (2) we offer you this 1 you legal permission to copy, distribute and/or modify the library. To protect each distribute make it very clear that there is no warranty for the free library. Also, if the library is mo and passed on, the recipients should know that what they have is not the original version, so author's reputation will not be affected by problems that might be introduced by others. Fina patents pose a constant threat to the existence of any free program. We wish to make sure tha cannot effectively restrict the users of a free program by obtaining a restrictive license from Therefore, we insist that any patent license obtained for a version of the library must be co. full freedom of use specified in this license. Most GNU software, including some libraries, i ordinary GNU General Public License. This license, the GNU Lesser General Public License, app certain designated libraries, and is quite different from the ordinary General Public License license for certain libraries in order to permit linking those libraries into non-free program is linked with a library, whether statically or using a shared library, the combination of the speaking a combined work, a derivative of the original library. The ordinary General Public L permits such linking only if the entire combination fits its criteria of freedom. The Lesser License permits more lax criteria for linking other code with the library. We call this licen General Public License because it does Less to protect the user's freedom than the ordinary G License. It also provides other free software developers Less of an advantage over competing : programs. These disadvantages are the reason we use the ordinary General Public License for m libraries. However, the Lesser license provides advantages in certain special circumstances. rare occasions, there may be a special need to encourage the widest possible use of a certain it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the more frequent case is that a free library does the same job as widely used non-free libraries there is little to gain by limiting the free library to free software only, so we use the Les License. In other cases, permission to use a particular library in non-free programs enables of people to use a large body of

free software. For example, permission to use the GNU C Library in non-free programs enables a people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating Although the Lesser General Public License is Less protective of the users' freedom, it does a user of a program that is linked with the Library has the freedom and the wherewithal to run a using a modified version of the Library. The precise terms and conditions for copying, distribution follow. Pay close attention to the difference between a "work based on the library.

that uses the library". The former contains code derived from the library, whereas the latter combined with the library in order to run. GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder authorized party saying it may be distributed under the terms of this Lesser General Public L called "this License"). Each licensee is addressed as "you". A "library" means a collection o functions and/or data prepared so as to be conveniently linked with application programs (whi those functions and data) to form executables. The "Library", below, refers to any such softw. work which has been distributed under these terms. A "work based on the Library" means either or any derivative work under copyright law: that is to say, a work containing the Library or either verbatim or with modifications and/or translated straightforwardly into another langua translation is included without limitation in the term "modification".) "Source code" for a w preferred form of the work for making modifications to it. For a library, complete source cod source code for all modules it contains, plus any associated interface definition files, plus control compilation and installation of the library. Activities other than copying, distribut are not covered by this License; they are outside its scope. The act of running a program usi not restricted, and output from such a program is covered only if its contents constitute a w Library (independent of the use of the Library in a tool for writing it). Whether that is true Library does and what the program that uses the Library does. 1. You may copy and distribute copies of the Library's complete source code as you receive it, in any medium, provided that conspicuously and appropriately publish on each copy an appropriate copyright notice and disc warranty; keep intact

all the notices that refer to this License and to the absence of any warranty; and distribute License along with the Library. You may charge a fee for the physical act of transferring a c at your option offer warranty protection in exchange for a fee. 2. You may modify your copy o Library or any portion of it, thus forming a work based on the Library, and copy and distribu modifications or work under the terms of Section 1 above, provided that you also meet all of a) The modified work must itself be a software library. b) You must cause the files modified prominent notices stating that you changed the files and the date of any change. c) You must whole of the work to be licensed at no charge to all third parties under the terms of this Li in the modified Library refers to a function or a table of data to be supplied by an applicat uses the facility, other than as an argument passed when the facility is invoked, then you mu faith effort to ensure that, in the event an application does not supply such function or tab operates, and performs whatever part of its purpose remains meaningful. (For example, a funct to compute square roots has a purpose that is entirely well-defined independent of the applic Subsection 2d requires that any application-supplied function or table used by this function if the application does not supply it, the square root function must still compute square roo requirements apply to the modified work as a whole. If identifiable sections of that work are the Library, and can be reasonably considered independent and separate works in themselves, t License, and its terms, do not apply to those sections when you distribute them as separate w you distribute the same sections as part of a whole which is a work based on the Library, the the whole must be on the terms of this License, whose permissions for other licensees extend whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent claim rights or contest your rights to work written entirely by you; rather, the intent is to control the distribution of derivative or collective works based on the Library. In addition, another work not based on the Library with the Library (or with a work based on the Library) storage or distribution medium does not bring the other work under

the scope of this License. 3. You may opt to apply the terms of the ordinary GNU General Public instead of this License to a given copy of the Library. To do this, you must alter all the not this License, so that they refer to the ordinary GNU General Public License, version 2, instead

License. (If a newer version than version 2 of the ordinary GNU General Public License has ap you can specify that version instead if you wish.) Do not make any other change in these notichange is made in a given copy, it is irreversible for that copy, so the ordinary GNU General applies to all subsequent copies and derivative works made from that copy. This option is use wish to copy part of the code of the Library into a program that is not a library. 4. You may the Library (or a portion or derivative of it, under Section 2) in object code or executable of Sections 1 and 2 above provided that you accompany it with the complete corresponding mach readable source code, which must be distributed under the terms of Sections 1 and 2 above on . customarily used for software interchange. If distribution of object code is made by offering from a designated place, then offering equivalent access to copy the source code from the same satisfies the requirement to distribute the source code, even though third parties are not con the source along with the object code. 5. A program that contains no derivative of any portion but is designed to work with the Library by being compiled or linked with it, is called a "wo Library". Such a work, in isolation, is not a derivative work of the Library, and therefore f of this License. However, linking a "work that uses the Library" with the Library creates an a derivative of the Library (because it contains portions of the Library), rather than a "wor library". The executable is therefore covered by this License. Section 6 states terms for dis executables. When a "work that uses the Library" uses material from a header file that is par the object code for the work may be a derivative work of the Library even though the source c Whether this is true is especially significant if the work can be linked without the Library, a library. The threshold for this to be true is not precisely defined by law. If such an obje numerical parameters, data structure layouts and accessors, and small macros and small inline (ten lines or less in length), then the use of the object file is unrestricted, regardless of derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a derivative of the Libra the object code for the work under the terms of Section 6. Any executables containing that wo under Section 6, whether or not they are linked directly with the Library itself. 6. As an ex Sections above, you may also combine or link a "work that uses the Library" with the Library work containing portions of the Library, and distribute that work under terms of your choice, terms permit modification of the work for the customer's own use and reverse engineering for such modifications. You must give prominent notice with each copy of the work that the Librar and that the Library and its use are covered by this License. You must supply a copy of this work during execution displays copyright notices, you must include the copyright notice for t them, as well as a reference directing the user to the copy of this License. Also, you must d things: a) Accompany the work with the complete corresponding machine-readable source code fo Library including whatever changes were used in the work (which must be distributed under Sec above); and, if the work is an executable linked with the Library, with the complete machinethat uses the Library", as object code and/or source code, so that the user can modify the Li relink to produce a modified executable containing the modified Library. (It is understood the changes the contents of definitions files in the Library will not necessarily be able to recon to use the modified definitions.) b) Use a suitable shared library mechanism for linking with suitable mechanism is one that (1) uses at run time a copy of the library already present on computer system, rather than copying library functions into the executable, and (2) will open a modified version of the library, if the user installs one, as long as the modified version compatible with the version that the work was made with. c) Accompany the work with a written for at least three years, to give the same user the materials specified in Subsection 6a, abo no more than the cost of performing this distribution. d) If distribution of the work is made to copy from a designated place, offer equivalent access to copy the above specified material same place. e) Verify that the user has already received a copy of these materials or that yo

sent this user a copy. For an executable, the required form of the "work that uses the

Library" must include any data and utility programs needed for reproducing the executable from as a special exception, the materials to be distributed need not include anything that is norm (in either source or binary form) with the major components (compiler, kernel, and so on) of system on which the executable runs, unless that component itself accompanies the executable. happen that this requirement contradicts the license restrictions of other proprietary librar normally accompany the operating system. Such a contradiction means you cannot use both them Library together in an executable that you distribute. 7. You may place library facilities th on the Library side-by-side in a single library together with other library facilities not co and distribute such a combined library, provided that the separate distribution of the work b Library and of the other library facilities is otherwise permitted, and provided that you do Accompany the combined library with a copy of the same work based on the Library, uncombined other library facilities. This must be distributed under the terms of the Sections above. b) notice with the combined library of the fact that part of it is a work based on the Library, to find the accompanying uncombined form of the same work. 8. You may not copy, modify, subliwith, or distribute the Library except as expressly provided under this License. Any attempt copy, modify, sublicense, link with, or distribute the Library is void, and will automaticall under this License. However, parties who have received copies, or rights, from you under this have their licenses terminated so long as such parties remain in full compliance. 9. You are accept this License, since you have not signed it. However, nothing else grants you permission distribute the Library or its derivative works. These actions are prohibited by law if you do License. Therefore, by modifying or distributing the Library (or any work based on the Librar your acceptance of this License to do so, and all its terms and conditions for copying, distr modifying the Library or works based on it. 10. Each time you redistribute the Library (or an the Library), the recipient automatically receives a license from the original licensor to co with or modify the Library subject to these terms and conditions. You may not impose any furt on the recipients' exercise of the rights granted herein. You are not responsible for enforci third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any limited to patent issues), conditions are imposed on you (whether by court order, agreement o that contradict the conditions of this License, they do not excuse you from the conditions of you cannot distribute so as to satisfy simultaneously your obligations under this License and pertinent obligations, then as a consequence you may not distribute the Library at all. For e patent license would not permit royalty-free redistribution of the Library by all those who re directly or indirectly through you, then the only way you could satisfy both it and this Lice refrain entirely from distribution of the Library. If any portion of this section is held inv under any particular circumstance, the balance of the section is intended to apply, and the s is intended to apply in other circumstances. It is not the purpose of this section to induce patents or other property right claims or to contest validity of any such claims; this section purpose of protecting the integrity of the free software distribution system which is implement license practices. Many people have made generous contributions to the wide range of software through that system in reliance on consistent application of that system; it is up to the aut if he or she is willing to distribute software through any other system and a licensee cannot choice. This section is intended to make thoroughly clear what is believed to be a consequence this License. 12. If the distribution and/or use of the Library is restricted in certain coun or by copyrighted interfaces, the original copyright holder who places the Library under this an explicit geographical distribution limitation excluding those countries, so that distribut in or among countries not thus excluded. In such case, this License incorporates the limitation the body of this License. 13. The Free Software Foundation may publish revised and/or new ver Lesser General Public License from time to time. Such new versions will be similar in spirit version, but may differ in detail to address new problems or concerns. Each version is given

version number. If the Library specifies a version number of this License which applies to it version", you have the option of following the terms and conditions either of that version or version published by the Free Software Foundation. If the Library does not specify a license you may choose any version ever published by the Free Software Foundation. 14. If you wish to parts of the Library into other free programs whose distribution conditions are incompatible to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometim exceptions for this. Our decision will be guided by the two goals of preserving the free stat of our free software and of promoting the sharing and reuse of software generally. NO WARRANT BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the greatest possible use to the public, we re it free software that everyone can redistribute and change. You can do so by permitting redis these terms (or, alternatively, under the terms of the ordinary General Public License). To a attach the following notices to the library. It is safest to attach them to the start of each effectively convey the exclusion of warranty; and each file should have at least the "copyrig pointer to where the full notice is found. < one line to give the library's name and a brie does.> Copyright (C) <year> <name of author> This library is free software; yo it and/or modify it under the terms of the GNU Lesser General Public License as published by Software Foundation; either version 2.1 of the License, or (at your option) any later version distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the im warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Le General Public License along with this library; if not, write to the Free Software Foundation Street, Fifth Floor, Boston, MA 02110-1301 USA Also add information on how to cont act you by electronic and paper mail. You should also get your employer (if you work as a proyour school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is names: Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a libra knobs) written by James Random Hacker. <signature of Ty Coon>, 1 April 1990 Ty Coon, Pro here: - ICU license - Unicode Terms of Use -----License - ICU 1.8.1 and later From http://source.icu-project.org/repos/icu/icu/trunk/license. version). For license pedigree see the ICU FAQ at http://icu-project.org/userguide/icufaq.htm AND PERMISSION NOTICE Copyright (c) 1995-2006 International Business Machines Corporation and others All rights reserved. Permission is hereby granted, free of charge, to any person obtain this software and associated documentation files (the "Software"), to deal in the Software wi

including without limitation the rights to use, copy, modify, merge, publish, distribute, and Software, and to permit persons to whom the Software is furnished to do so, provided that the copyright notice(s) and this permission notice appear in all copies of the Software and that copyright notice(s) and this permission notice appear in supporting documentation. THE SOFTWA PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promo or other dealings in this Software without prior written authorization of the copyright holde and registered trademarks mentioned herein are the property of their respective owners. ----------- Unicode Terms of Use, from http://www.uni For the general privacy policy governing access to this site, see the Unicode Privacy Policy. usage, see the Unicode Consortium Trademarks and Logo Policy. Notice to End User: Terms of Us Carefully read the following legal agreement ("Agreement"). Use or copying of the software an provided with this agreement (The "Software") constitutes your acceptance of these terms 1. U. Copyright. 1. Copyright 1991-2007 Unicode, Inc. All rights reserved. 2. Certain documents and website contain a legend indicating that "Modification is permitted." Any person is hereby au fee, to modify such documents and files to create derivative works conforming to the Unicode subject to Terms and Conditions herein. 3. Any person is hereby authorized, without fee, to v reproduce, and distribute all documents and files solely for informational purposes in the cro supporting the Unicode Standard, subject to the Terms and Conditions herein. 4. Further speci rights and restrictions pertaining to the use of the particular set of data files known as the Database" can be found in Exhibit 1. 5. Each version of the Unicode Standard has further spec rights and restrictions of use. For the book editions, these are found on the back of the tit online edition, certain files (such as the PDF files for book chapters and code charts) carry restrictions. All other files are covered under these general Terms of Use. To request a perm reproduce any part of the Unicode Standard, please contact the Unicode Consortium. 6. No lice granted to "mirror" the Unicode website where a fee is charged for access to the "mirror" site is not permitted with respect to this document. All copies of this document must be verbatim. Rights Legend. Any technical data or software which is licensed to the United States of Ameri and/or instrumentalities under this Agreement is commercial technical data or commercial comp developed exclusively at private expense as defined in FAR 2.101, or DFARS 252.227-7014 (June applicable. For technical data, use, duplication, or disclosure by the Government is subject set forth in DFARS 202.227-7015 Technical Data, Commercial and Items (Nov 1995) and this Agree For Software, in accordance with FAR 12-212 or

DFARS 227-7202, as applicable, use, duplication or disclosure by the Government is subject to restrictions set forth in this Agreement. 3. Warranties and Disclaimers. 1. This publication as include technical or typographical errors or other inaccuracies . Changes are periodically add information herein; these changes will be incorporated in new editions of the publication and. Unicode may make improvements and/or changes in the product(s) and/or program(s) described in publication and/or website at any time. 2. If this file has been purchased on magnetic or opt: Unicode, Inc. the sole and exclusive remedy for any claim will be exchange of the defective magninety (90) days of original purchase. 3. EXCEPT AS PROVIDED IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF

MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE. 4. Waiver of Damages. In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential dam any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, without limitation, those resulting from the following: loss of use, data or profits, in connmodification or distribution of this information or its derivatives. 5. Trademarks. 1. Unicod logo are registered trademarks of Unicode, Inc. 2. This site contains product names and corpo other companies. All product names and company names and logos mentioned herein are the trades registered trademarks of their respective owners. Other products and corporate names mentione which are trademarks of a third party are used only for explanation and for the owners' benef intent to infringe. 3. Use of third party products or information referred to herein is at the Miscellaneous. 1. Jurisdiction and Venue. This server is operated from a location in the State United States of America. Unicode makes no representation that the materials are appropriate other locations. If you access this server from other locations, you are responsible for comp laws. This Agreement, all use of this site and any claims and damages resulting from use of t governed solely by the laws of the State of California without regard to any principles which laws of a different jurisdiction. The user agrees that any disputes regarding this site shall in the courts located in Santa Clara County, California. The user agrees said courts have per and agree to waive any right to transfer the dispute to any other forum. 2. Modification by U shall have the right to modify this Agreement at any time by posting it to this site. The use any part of this Agreement without Unicode\x{2019}s prior written consent. 3. Taxes. The user any taxes arising from access to this website or use of the information herein, except for the Unicode\x{2019}s net income.

4. Severability. If any provision of this Agreement is declared invalid or unenforceable, the provisions of this Agreement shall remain in effect. 5. Entire Agreement. This Agreement cons entire agreement between the parties. EXHIBIT 1 UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE Unicode Data Files include all data files under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/c Unicode Software includes any source code published in the Unicode Standard or under the dire http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/c NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE. COPYRIGHT AND PERMISSION NOTICE Copyright 1991-2007 Unicode, Inc. All rights reserved. Distributed under the Terms of http://www.unicode.org/copyright.html. Permission is hereby granted, free of charge, to any p a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode and any associated documentation (the "Software") to deal in the Data Files or Software witho including without limitation the rights to use, copy, modify, merge, publish, distribute, and Data Files or Software, and to permit persons to whom the Data Files or Software are furnishe provided that (a) the above copyright notice(s) and this permission notice appear with all co Files or Software, (b) both the above copyright notice(s) and this permission notice appear is documentation, and (c) there is clear notice in each modified Data File or in the Software as documentation associated with the Data File(s) or Software that the data or software has been DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO

EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promo or other dealings in these Data Files or Software without prior written authorization of the copyright holder. Unicode and the Unicode logo are trademarks of Unicode, Inc., and ma registered in some jurisdictions. All other trademarks and registered trademarks mentioned he licenses here: - ICU license - Unicode Terms of Use -------- ICU License - ICU 1.8.1 and later From http://source.icu-project.org/repos/icu/icu/trunk/ License (old version). For license pedigree see the ICU FAQ at http://icu-project.org/usergui COPYRIGHT AND PERMISSION NOTICE Copyright (c) 1995-2006 International Business Machines Corporation and others All rights reserved. Permission is hereby granted, free of charge, to obtaining a copy of this software and associated documentation files (the "Software"), to dea without restriction, including without limitation the rights to use, copy, modify, merge, pub and/or sell copies of the Software, and to permit persons to whom the Software is furnished to provided that the above copyright notice(s) and this permission notice appear in all copies o and that both the above copyright notice(s) and this permission notice appear in supporting d THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealing Software without prior written authorization of the copyright holder. All trademarks and regi mentioned herein are the property of their respective owners. ---------- Unicode Terms of Use, from http://www.unicode.org/copyright.html For the general privacy policy governing access to this site, see the Unicode Privacy Policy. usage, see the Unicode Consortium Trademarks and Logo Policy. Notice to End User: Terms of Us Carefully read the following legal agreement ("Agreement"). Use or copying of the software an provided with this agreement (The "Software") constitutes your acceptance of these terms 1. U. Copyright. 1. Copyright 1991-2007 Unicode, Inc. All rights reserved. 2. Certain documents and website contain a legend indicating that "Modification is permitted." Any person is hereby au fee, to modify such documents and files to create derivative works conforming to the Unicode subject to Terms and Conditions herein. 3. Any person is hereby authorized, without fee, to v reproduce, and distribute all documents and files solely for informational purposes in the cro supporting the Unicode Standard, subject to the Terms and Conditions herein. 4. Further speci rights and restrictions pertaining to the use of the particular set of data files known as the Database" can be found in Exhibit 1. 5. Each version of the Unicode Standard has further spec rights and restrictions of use. For the book editions, these are found on the back of the tit online edition, certain files (such as the PDF files for book chapters and code charts) carry restrictions. All other files are covered under these general Terms of Use. To request a perm reproduce any part of the Unicode Standard, please contact the Unicode Consortium. 6. No lice granted to "mirror" the Unicode website where a fee is charged for access to the "mirror" site is not permitted with respect to this document. All copies of this document must be verbatim.

Rights Legend. Any technical data or software which is licensed to the United States of Ameri and/or instrumentalities under this Agreement is commercial technical data or commercial comp developed exclusively at private expense as defined in FAR 2.101, or DFARS 252.227-7014 (June applicable. For technical data, use, duplication, or disclosure by the Government is subject set forth in DFARS 202.227-7015 Technical Data, Commercial and Items (Nov 1995) and this Agree For Software, in accordance with FAR 12-212 or DFARS 227-7202, as applicable, use, duplication disclosure by the Government is subject to the restrictions set forth in this Agreement. 3. W. Disclaimers. 1. This publication and/or website may include technical or typographical errors inaccuracies . Changes are periodically added to the information herein; these changes will be in new editions of the publication and/or website. Unicode may make improvements and/or chang product(s) and/or program(s) described in this publication and/or website at any time. 2. If purchased on magnetic or optical media from Unicode, Inc. the sole and exclusive remedy for a be exchange of the defective media within ninety (90) days of original purchase. 3. EXCEPT AS IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF

MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE. 4. Waiver of Damages. In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential dam. any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, without limitation, those resulting from the following: loss of use, data or profits, in connmodification or distribution of this information or its derivatives. 5. Trademarks. 1. Unicod logo are registered trademarks of Unicode, Inc. 2. This site contains product names and corpo other companies. All product names and company names and logos mentioned herein are the trades registered trademarks of their respective owners. Other products and corporate names mentione which are trademarks of a third party are used only for explanation and for the owners' benef intent to infringe. 3. Use of third party products or information referred to herein is at the Miscellaneous. 1. Jurisdiction and Venue. This server is operated from a location in the Stat United States of America. Unicode makes no representation that the materials are appropriate other locations. If you access this server from other locations, you are responsible for comp laws. This Agreement, all use of this site and any claims and damages resulting from use of t governed solely by the laws of the State of California without regard to any principles which laws of a different jurisdiction. The user agrees that any disputes regarding this site shall in the courts located in Santa Clara County, California. The user agrees said courts have per and agree to waive any right to transfer the dispute to any other forum. 2. Modification by U shall have the right to modify this Agreement at any time by posting it to this site. The use any part of this Agreement without Unicode\x{2019}s prior written consent. 3. Taxes. The user any taxes arising from access to this website or use of the information herein, except for the Unicode\x{2019}s net income. 4. Severability. If any provision of this Agreement is declared unenforceable, the remaining provisions of this Agreement shall remain in effect. 5. Entire A Agreement constitutes the entire agreement between the parties. EXHIBIT 1 UNICODE, INC. LICEN AGREEMENT - DATA FILES AND SOFTWARE Unicode Data Files include all data files under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/cldr/data/ . Unicode Software includes any source code published in the Standard or under the directories http://www.unicode.org/Public/, http://www.unicode.org/repo http://www.unicode.org/cldr/data/.

NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE

("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE. COPYRIGHT AND PERMISSION NOTICE Copyright 1991-2007 Unicode, Inc. All rights reserved. Distributed under the Terms of http://www.unicode.org/copyright.html. Permission is hereby granted, free of charge, to any p a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode and any associated documentation (the "Software") to deal in the Data Files or Software witho including without limitation the rights to use, copy, modify, merge, publish, distribute, and Data Files or Software, and to permit persons to whom the Data Files or Software are furnishe provided that (a) the above copyright notice(s) and this permission notice appear with all co Files or Software, (b) both the above copyright notice(s) and this permission notice appear is documentation, and (c) there is clear notice in each modified Data File or in the Software as documentation associated with the Data File(s) or Software that the data or software has been DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promo or other dealings in these Data Files or Software without prior written authorization of the Unicode and the Unicode logo are trademarks of Unicode, Inc., and may be registered in some j All other trademarks and registered trademarks mentioned herein are the property of their res January 2004 http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sec 9 of this document. "Licensor" shall mean the copyright owner or entity authorized by the cop that is granting the License. "Legal Entity" shall mean the union of the acting entity and al control, are controlled by, or are under common control with that entity. For the purposes of "control" means (i) the power, direct or indirect, to cause the direction or management of su by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 3 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig individual or Legal Entity authorized to submit on behalf of the copyright owner. For the pur definition, "submitted" means any form of electronic, verbal, or written communication sent to its representatives, including but not limited to communication on electronic mailing lists, systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked o designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mea any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the term conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W. the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works distribute must include a readable copy of the attribution notices contained within such NOTI excluding those notices that do not pertain to any part of the Derivative Works, in at least places: within a NOTICE text file distributed as part of the Derivative Works; within the Sou documentation, if provided along with the Derivative Works; or, within a display generated by Works, if and

wherever such third-party notices normally appear. The contents of the NOTICE file are for in purposes only and do not modify the License. You may add Your own attribution notices within Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, prov such additional attribution notices cannot be construed as modifying the License. You may add copyright statement to Your modifications and may provide additional or different license term conditions for use, reproduction, or distribution of Your modifications, or for any such Deri whole, provided Your use, reproduction, and distribution of the Work otherwise complies with stated in this License. 5. Submission of Contributions. Unless You explicitly state otherwise intentionally submitted for inclusion in the Work by You to the Licensor shall be under the t conditions of this License, without any additional terms or conditions. Notwithstanding the a herein shall supersede or modify the terms of any separate license agreement you may have exe Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission trade names, trademarks, service marks, or product names of the Licensor, except as required reasonable and customary use in describing the origin of the Work and reproducing the content NOTICE file. 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in wri provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITH WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using o redistributing the Work and assume any risks associated with Your exercise of permissions und

License. 8. Limitation of Liability. In no event and under no legal theory, whether in tort (negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, a agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, asserted against, such Contributor by reason of your accepting any such warranty or additiona OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclose replaced with your own identifying information. (Don't include the brackets!) The text should the appropriate comment syntax for the file format. We also recommend that a file or class name description of purpose be included on the same "printed page" as the copyright notice for eas within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the Ap. Version 2.0 (the "License"); you may not use this file except in compliance with the License. a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applic agreed to in writing, software distributed under the License is distributed on an "AS IS" BAS WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the spec Redistribution and use in source and binary forms, with or without modification, are permitte the following conditions are met: * Redistributions of source code must retain the above copy list of conditions and the following disclaimer. * Redistributions in binary form must reprod copyright notice, this list of conditions and the following disclaimer in the documentation a materials provided with the distribution. * Neither the name of Google Inc. nor the names of may be used to endorse or promote products derived from this software without specific prior permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Code generated by the Protocol Buffer compiler owned by the owner of the input file used when generating it. This code is not standalone and support library to be linked with it. This support library is itself covered by the above lic 2015 jQuery Foundation and other contributors Permission is hereby granted, free of charge, to obtaining a copy of this software and associated documentation files (the "Software"), to dea without restriction, including without limitation the rights to use, copy, modify, merge, pub sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is so, subject to the following conditions: The above copyright notice and this permission notic included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS

https://github.com/jquery/sizzle/blob/master/LICENSE jQuery and Sizzle are released under MIT The text is provided below.

MIT License ---- Copyright 2013 jQuery Foundation and other contributors http://jquery.com/ Pehereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the permit persons to whom the Software is furnished to do so, subject to the following condition copyright notice and this permission notice shall be included in all copies or substantial po Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

All rights reserved. Redistribution and use in source and binary forms, with or without modif permitted provided that the following conditions are met: * Redistributions of source code mu above copyright notice, this list of conditions and the following disclaimer. * Redistribution must reproduce the above copyright notice, this list of conditions and the following disclaim documentation and/or other materials provided with the distribution. * Neither the name of Go names of its contributors may be used to endorse or promote products derived from this softwa specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS java src/android libs/exoplayer ******************************* Apache License Version 2.0, Janu http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduct distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the c or entity authorized by the copyright owner that is granting the License. "Legal Entity" shal the acting entity and all other entities that control, are controlled by, or are under common entity. For the purposes of this definition, "control" means (i) the power, direct or indirec direction or management of such entity, whether by contract or otherwise, or (ii) ownership o (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" mean an individual or Legal Entity exercising permissions granted by this License. "Source" for the preferred form for making modifications, including but not limited to software source cod

source, and configuration files. "Object" form shall mean any form resulting from mechanical or translation of a Source form, including but not limited to compiled object code, generated and conversions to other media types. "Work" shall mean the work of authorship, whether in So Object form, made available under the License, as indicated by a copyright notice that is inc attached to the work (an example is provided in the Appendix below). "Derivative Works" shall work, whether in Source or Object form, that is based on (or derived from) the Work and for w editorial revisions, annotations, elaborations, or other modifications represent, as a whole, authorship. For the purposes of this License, Derivative Works shall not include works that re from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works the "Contribution" shall mean any work of authorship, including the original version of the Work modifications or additions to that Work or Derivative Works thereof, that is intentionally su for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorize behalf of the copyright owner. For the purposes of this definition, "submitted" means any for verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by th owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal 3 of whom a Contribution has been received by Licensor and subsequently incorporated within the Grant of Copyright License. Subject to the terms and conditions of this License, each Contrib grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable cop reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and d Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to mak offer to sell, sell, import, and otherwise transfer the Work, where such license applies only claims licensable by such Contributor that are necessarily infringed by their Contribution(s) combination of their Contribution(s) with the Work to which such Contribution(s) was submitted institute patent litigation against any entity (including a cross-claim or counterclaim in a the Work or a Contribution incorporated within the Work constitutes direct or contributory pa then any patent licenses granted to You under this License for that Work shall terminate as o litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work o thereof in any medium, with or without modifications, and in Source or Object form, provided the following conditions: (a) You must give any other recipients of the Work or Derivative Wo License; and (b) You must cause any modified files to carry prominent notices stating that Yo files; and (c) You must retain, in the Source form of any Derivative Works that You distribute patent, trademark, and attribution notices from the Source form of the Work,

excluding those notices that do not pertain to any part of the Derivative Works; and (d) If to "NOTICE" text file as part of its distribution, then any Derivative Works that You distributed readable copy of the attribution notices contained within such NOTICE file, excluding those not pertain to any part of the Derivative Works, in at least one of the following places: with file distributed as part of the Derivative Works; within the Source form or documentation, if with the Derivative Works; or, within a display generated by the Derivative Works, if and when party notices normally appear. The contents of the NOTICE file are for informational purposes not modify the License. You may add Your own attribution notices within Derivative Works that distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such attribution notices cannot be construed as modifying the License. You may add Your own copyristatement to Your modifications and may provide additional or different license terms and conreproduction, or distribution of Your modifications, or for any such Derivative Works as a wh Your use, reproduction, and distribution of the Work otherwise complies with the conditions s License. 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribut submitted for inclusion in the Work by You to the Licensor shall be under the terms and condi License, without any additional terms or conditions. Notwithstanding the above, nothing herei: supersede or modify the terms of any separate license agreement you may have executed with Li regarding such Contributions. 6. Trademarks. This License does not grant permission to use the names, trademarks, service marks, or product names of the Licensor, except as required for recustomary use in describing the origin of the Work and reproducing the content of the NOTICE Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor p (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warrant conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistrib Work and assume any risks associated with Your exercise of permissions under this License. 8. Liability. In no event and under no legal theory, whether in tort (including negligence), con unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or inability to use the Work (including but not limited to damages for loss of goodwill, work st failure or malfunction, or any and all other commercial damages or losses), even if such Cont advised of the possibility of such damages. 9. Accepting Warranty or Additional Liability. Wh the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptan warranty, indemnity, or other liability obligations and/or rights consistent with this Licens accepting such obligations, You may act only on Your own behalf and on Your sole responsibili behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Co. harmless for any liability incurred by, or claims asserted against, such Contributor by reaso accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPENDIX: Ho apply the Apache License to your work. To apply the Apache License to your work, attach the f boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identify (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for format. We also recommend that a file or class name and description of purpose be included on "printed page" as the copyright notice for easier identification within third-party archives. [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in v software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language permissions and limitations under the License. ********************************** reserved. Redistribution and use in source and binary forms, with or without modification, and provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditifollowing disclaimer. * Redistributions in binary form must reproduce the above copyright not conditions and the following disclaimer in the documentation and/or other materials provided distribution. * Neither the name of Google Inc. nor the names of its contributors may be used promote products derived from this software without specific prior written permission. THIS SP PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT

LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Code generated by the Protocol Buffer compiler is owned by the protocol Buffer compiler is owned by the protocol Buffer compiler is owned by the owned by the protocol Buffer compiler is owned of the input file used when generating it. This code is not standalone and requires a support ****************************** (extracted from src/README) LEGAL ISSUES =========== In plain E We don't promise that this software works. (But if you find any bugs, please let us know!) 2. software for whatever you want. You don't have to pay us. 3. You may not pretend that you wro software. If you use it in a program, you must acknowledge somewhere in your documentation th used the IJG code. In legalese: The authors make NO WARRANTY or representation, either expres implied, with respect to this software, its quality, accuracy, merchantability, or fitness fo This software is provided "AS IS", and you, its user, assume the entire risk as to its qualit This software is copyright (C) 1991-1998, Thomas G. Lane. All Rights Reserved except as speci Permission is hereby granted to use, copy, modify, and distribute this software (or portions purpose, without fee, subject to these conditions: (1) If any part of the source code for thi distributed, then this README file must be included, with this copyright and no-warranty noti and any additions, deletions, or changes to the original files must be clearly indicated in a documentation. (2) If only executable code is distributed, then the accompanying documentation that "this software is based in part on the work of the Independent JPEG Group". (3) Permissi this software is granted only if the user accepts full responsibility for any undesirable con authors accept NO LIABILITY for damages of any kind. These conditions apply to any software d or based on the IJG code, not just to the unmodified library. If you use our work, you ought us. Permission is NOT granted for the use of any IJG author's name or company name in adverti publicity relating to this software or products derived from it. This software may be referre Independent JPEG Group's software". We specifically permit and encourage the use of this soft basis of commercial products, provided that all warranty or liability claims are assumed by t vendor. ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole p copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the abo and conditions, but instead by the usual distribution terms of the Free Software Foundation; you must include source code if you redistribute it. (See the file ansi2knr.c for full detail ansi2knr.c is not needed as part of any program generated from the IJG code, this does not lin than the foregoing paragraphs do. The Unix configuration script "configure" was produced with Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The sa supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, is by M.I.T. but is also freely distributable. It appears that the arithmetic coding option of tcovered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot leg. used without obtaining one or more licenses. For this reason, support for arithmetic coding h. removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain o unpatented Huffman mode, it is unlikely that very many implementations will support it.) So f aware, there are no patent restrictions on the remaining code. The IJG distribution formerly read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading suppo been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but all standard GIF decoders. We are required to state that "The Graphics Interchange Format(c) Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuSer Foundation Redistribution and use in source and binary forms, with or without modification, a provided that the following conditions are met: - Redistributions of source code must retain

copyright notice, this list of conditions and the following disclaimer. - Redistributions in I reproduce the above copyright notice, this list of conditions and the following disclaimer in and/or other materials provided with the distribution. - Neither the name of the Xiph.org Fou names of its contributors may be used to endorse or promote products derived from this softwa specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS free of charge, to any person obtaining a copy of this software and associated documentation "Software"), to deal in the Software without restriction, including without limitation the right modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to pe whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or subs the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Redistribution and use in source and binary forms, with or without modification, are permitte the following conditions are met: - Redistributions of source code must retain the above copy list of conditions and the following disclaimer. - Redistributions in binary form must reprod copyright notice, this list of conditions and the following disclaimer in the documentation a materials provided with the distribution. - Neither the name of the Xiph.org Foundation nor t contributors may be used to endorse or promote products derived from this software without sp written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER D EALINGS IN THE SOFTWARE. Except as contained in this notice, the names of the authors or thei institutions shall not be used in advertising or otherwise to promote the sale, use or other the files hash.c, list.c and the trio files, which are covered by a similar licence but with notices) all the files are: Copyright (C) 1998-2012 Daniel Veillard. All Rights Reserved. Per granted, free of charge, to any person obtaining a copy of this software and associated docum (the "Software"), to deal in the Software without restriction, including without limitation to modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to pe whom the Software is fur- nished to do so, subject to the following conditions: The above cop and this permission notice shall be included in all copies or substantial portions of the Sof SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FIT- NESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. ----- Copyright (C) 2000,2012 Veillard. Permission to use, copy, modify, and distribute this software for any purpose with hereby granted, provided that the above copyright notice and this permission notice appear in THIS SOFTWARE IS PROVIDED ``AS IS'' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE AUTHORS AND CONTRIBUTORS ACCEPT NO RESPONSIBILITY IN ANY CONCEIVABLE MANNER. Author: breese@users.sourceforge.net (taken from hash.c) ----------- Copyright (C) 2000 Gary Pennington and Dan to use, copy, modify, and distribute this software for any purpose with or without fee is here provided that the above copyright notice and this permission notice appear in all copies. THI IS PROVIDED ``AS IS'' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE AUTHORS AND CONTRIBUTORS ACCEPT NO RESPONSIBILITY IN ANY CONCEIVABLE MANNER. Author: Gary.Pennington@uk.sun.com (taken from list.c) ----------- Copyright (C) 1998 Bjorn Reese and Daniel Stenberg. Perm modify, and distribute this software for any purpose with or without fee is hereby granted, p above copyright notice and this permission notice appear in all copies. THIS SOFTWARE IS PROV ``AS IS'' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE AUTHORS AND CONTRIBUTORS ACCEPT NO RESPONSIBILITY IN ANY CONCEIVABLE MANNER. (taken from trio.h and trio.c) -----Copyright (C) 2001 Bjorn Reese <breese@users.sourceforge.net> Permission to use, copy, p distribute this software for any purpose with or without fee is hereby granted, provided that copyright notice and this permission notice appear in all copies. THIS SOFTWARE IS PROVIDED ` AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE AUTHORS AND CONTRIBUTORS ACCEPT NO RESPONSIBILITY IN ANY CONCEIVABLE MANNER. (taken from triodef.h, trionan.h, and trionan.c) -----

is', without any express or implied warranty. In no event will the authors be held liable for arising from the use of this software. Permission is granted to anyone to use this software f including commercial applications, and to alter it and redistribute it freely, subject to the 1. The origin of this software must not be misrepresented; you must not claim that you wrote software. If you use this software in a product, an acknowledgment in the product documentation appreciated but is not required. 2. Altered source versions must be plainly marked as such, a misrepresented as being the original software. 3. This notice may not be removed or altered f for match.S) Copyright notice: (C) 1995-2004 Jean-loup Gailly and Mark Adler This software is is', without any express or implied warranty. In no event will the authors be held liable for arising from the use of this software. Permission is granted to anyone to use this software f including commercial applications, and to alter it and redistribute it freely, subject to the 1. The origin of this software must not be misrepresented; you must not claim that you wrote software. If you use this software in a product, an acknowledgment in the product documentation appreciated but is not required. 2. Altered source versions must be plainly marked as such, a misrepresented as being the original software. 3. This notice may not be removed or altered f distribution. Jean-loup Gailly Mark Adler jloup@gzip.org madler@alumni.caltech.edu (extracted match.S, for match.S only) Copyright (C) 1998, 2007 Brian Raiter <breadbox@muppetlabs.com& software is provided 'as-is', without any express or implied warranty. In no event will the a for any damages

the copyright owner that is granting the License. "Legal Entity" shall mean the union of the all other entities that control, are controlled by, or are under common control with that ent purposes of this definition, "control" means (i) the power, direct or indirect, to cause the management of such entity, whether by contract or otherwise, or (ii) ownership of fifty perce. of the outstanding shares, or (iii) beneficial ownership of such entity. "You" (or "Your") sh individual or Legal Entity exercising permissions granted by this License. "Source" form shal preferred form for making modifications, including but not limited to software source code, d source, and configuration files. "Object" form shall mean any form resulting from mechanical or translation of a Source form, including but not limited to compiled object code, generated and conversions to other media types. "Work" shall mean the work of authorship, whether in So Object form, made available under the License, as indicated by a copyright notice that is inc attached to the work (an example is provided in the Appendix below). "Derivative Works" shall work, whether in Source or Object form, that is based on (or derived from) the Work and for wi editorial revisions, annotations, elaborations, or other modifications represent, as a whole, authorship. For the purposes of this License, Derivative Works shall not include works that re from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works the "Contribution" shall mean any work of authorship, including the original version of the Work modifications or additions to that Work or Derivative Works thereof, that is intentionally su for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized behalf of the copyright owner. For the purposes of this definition, "submitted" means any for verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by the owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal 3 of whom a Contribution has been received by Licensor and subsequently incorporated within the Grant of Copyright License. Subject to the terms and conditions of this License, each Contrib grants to You a perpetual,

worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work a Derivative Works in Source or Object form. 3. Grant of Patent License. Subject to the terms and this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, nor royalty-free, irrevocable (except as stated in this section) patent license to make, have made sell, sell, import, and otherwise transfer the Work, where such license applies only to those licensable by such Contributor that are necessarily infringed by their Contribution(s) alone of of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You ins litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging Contribution incorporated within the Work constitutes direct or contributory patent infringement patent licenses granted to You under this License for that Work shall terminate as of the date is filed. 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative any medium, with or without modifications, and in Source or Object form, provided that You medi following conditions: (a) You must give any other recipients of the Work or Derivative Works a License; and (b) You must cause any modified files to carry prominent notices stating that You files; and (c) You must retain, in the Source form of any Derivative Works that You distribute patent, trademark, and attribution notices from the Source form of the Work, excluding those a not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text distribution, then any Derivative Works that You distribute must include a readable copy of the notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribute within a display generated by the Derivative Works, if and wherever such third-party notices a The contents of the NOTICE file are for informational purposes only and do not modify the Lice add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be commodifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Y state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted Contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS

APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your we attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced we identifying information. (Don't include the brackets!) The text should be enclosed in the approximate for the file format. We also recommend that a file or class name and description of purincluded on the same "printed page" as the copyright notice for easier identification within archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the Apache License, Version of the same "printed page" as the copyright owner] Licensed under the page.

By downloading, copying, installing or using the software you agree to this license. If you d license, do not download, install, copy or use the software. Intel License Agreement For Open Computer Vision Library Copyright (C) 2000, 2001, Intel Corporation, all rights reserved. Cop OpenCV Foundation, all rights reserved. Third party copyrights are property of their respecti Redistribution and use in source and binary forms, with or without modification, are permitte the following conditions are met: * Redistribution's of source code must retain the above cop list of conditions and the following disclaimer. * Redistribution's in binary form must reprocopyright notice, this list of conditions and the following disclaimer in the documentation a materials provided with the distribution. * The name of Intel Corporation may not be used to promote products derived from this software without specific prior written permission. This s provided by the copyright holders and contributors "as is" and any express or implied warrant but not limited to, the implied warranties of merchantability and fitness for a particular pu disclaimed. In no event shall the Intel Corporation or contributors be liable for any direct, special, exemplary, or consequential damages (including, but not limited to, procurement of s or services; loss of use, data, or profits; or business interruption) however caused and on a liability, whether in contract, strict liability, or tort (including negligence or otherwise) licensing. Files that are completely new have a Google copyright and an ISC license. This license reproduced at the bottom of this file. Contributors to BoringSSL are required to follow the C Chromium: https://cla.developers.google.com/clas Some files from Intel are under yet another is also included underneath. The OpenSSL toolkit stays under a dual license, i.e. both the co OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actua Actually both licenses are BSD-style Open Source licenses. In case of any license issues rela OpenSSL please contact

openssl-core@openssl.org. OpenSSL License ----- /*

======= * Copyright (c) 1998-2011 The OpenSSL Project. All rights reserved. * * Redistribution and use in source and A with or without * modification, are permitted provided that the following conditions * are met Redistributions of source code must retain the above copyright * notice, this list of condition following disclaimer. * * 2. Redistributions in binary form must reproduce the above copyright of conditions and the following disclaimer in * the documentation and/or other materials prove distribution. * * 3. All advertising materials mentioning features or use of this * software re following acknowledgment: * "This product includes software developed by the OpenSSL Project * the OpenSSL Toolkit. (http://www.openssl.org/)" * * 4. The names "OpenSSL Toolkit" and "OpenSSL must not be used to * endorse or promote products derived from this software without * prior permission. For written permission, please contact * openssl-core@openssl.org. * * 5. Product this software may not be called "OpenSSL" * nor may "OpenSSL" appear in their names without p * permission of the OpenSSL Project. * * 6. Redistributions of any form whatsoever must retain acknowledgment: * "This product includes software developed by the OpenSSL Project * for use OpenSSL Toolkit (http://www.openssl.org/)" * * THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY * EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; * LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED * OF THE POSSIBILITY OF SUCH DAMAGE. * ------ * * This product includes cryptographic software written by Eric Young * (eay@cryptsoft.com). This product inc

written by Tim * Hudson (tjh@cryptsoft.com). * * / Original SSLeay License ------ /* Copyri Eric Young (eay@cryptsoft.com) * All rights reserved. * * This package is an SSL implementation Eric Young (eay@cryptsoft.com). * The implementation was written so as to conform with Netsca This library is free for commercial and non-commercial use as long as * the following conditito. The following conditions * apply to all code found in this distribution, be it the RC4, R etc., code; not just the SSL code. The SSL documentation * included with this distribution is same copyright terms * except that the holder is Tim Hudson (tjh@cryptsoft.com). * * Copyrigh Young's, and as such any Copyright notices in * the code are not to be removed. * If this pac product, Eric Young should be given attribution * as the author of the parts of the library u in the form of a textual message at program startup or * in documentation (online or textual) package. * * Redistribution and use in source and binary forms, with or without * modification provided that the following conditions * are met: * 1. Redistributions of source code must re * notice, this list of conditions and the following disclaimer. * 2. Redistributions in binar the above copyright * notice, this list of conditions and the following disclaimer in the * d other materials provided with the distribution. * 3. All advertising materials mentioning fea software * must display the following acknowledgement: * "This product includes cryptographic written by * Eric Young (eay@cryptsoft.com)" * The word 'cryptographic' can be left out if th library * being used are not cryptographic related :-). * 4. If you include any Windows speci derivative thereof) from * the apps directory (application code) you must include an acknowle product includes software written by Tim Hudson (tjh@cryptsoft.com)" * * THIS SOFTWARE IS PRO BY ERIC YOUNG ``AS IS'' AND * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF * SUCH DAMAGE. * * The licence and distribution terms for any publically available version or * deri code cannot be changed. i.e. this code cannot simply be * copied and put under another distri-[including the GNU Public Licence.] * / ISC license used for completely new code in BoringSSL

(c) 2015, Google Inc. * * Permission to use, copy, modify, and/or distribute this software fo with or without fee is hereby granted, provided that the above * copyright notice and this pe appear in all copies. * * THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF * MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY \star SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION * OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN * CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. * / Some files from Intel carry the following license: # Copyright (c) 2012, Intel Corporation # # All rights reserved. # # Redistribution and use in forms, with or without # modification, are permitted provided that the following conditions a Redistributions of source code must retain the above copyright # notice, this list of conditifollowing disclaimer. # # * Redistributions in binary form must reproduce the above copyright of conditions and the following disclaimer in the # documentation and/or other materials prov distribution. # # * Neither the name of the Intel Corporation nor the names of its # contribu to endorse or promote products derived from # this software without specific prior written pe THIS SOFTWARE IS PROVIDED BY INTEL CORPORATION ""AS IS"" AND ANY # EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE # IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR # PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL CORPORATION OR # CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,

====== * Copyright (c)

1998-2011 The OpenSSL Project. All rights reserved. * * Redistribution and use in source and is with or without * modification, are permitted provided that the following conditions * are me Redistributions of source code must retain the above copyright * notice, this list of condition following disclaimer. * * 2. Redistributions in binary form must reproduce the above copyrigh of conditions and the following disclaimer in * the documentation and/or other materials prov distribution. * * 3. All advertising materials mentioning features or use of this * software is following acknowledgment: * "This product includes software developed by the OpenSSL Project the OpenSSL Toolkit. (http://www.openssl.org/)" * * 4. The names "OpenSSL Toolkit" and "OpenS must not be used to * endorse or promote products derived from this software without * prior permission. For written permission, please contact * openssl-core@openssl.org. *

* 5. Products derived from this software may not be called "OpenSSL" * nor may "OpenSSL" appenames without prior written * permission of the OpenSSL Project. * * 6. Redistributions of an whatsoever must retain the following * acknowledgment: * "This product includes software deve OpenSSL Project * for use in the OpenSSL Toolkit (http://www.openssl.org/)" * * THIS SOFTWARE

PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY * EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; * LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED * OF THE POSSIBILITY OF SUCH DAMAGE. *

* are met: * 1. Redistributions of source code must retain the copyright * notice, this list following disclaimer. * 2. Redistributions in binary form must reproduce the above copyright of conditions and the following disclaimer in the * documentation and/or other materials prov distribution. * 3. All advertising materials mentioning features or use of this software * mu following acknowledgement: * "This product includes cryptographic software written by * Eric (eay@cryptsoft.com)" * The word 'cryptographic' can be left out if the rouines from the libra are not cryptographic related :-). * 4. If you include any Windows specific code (or a deriva the apps directory (application code) you must include an acknowledgement: * "This product in software written by Tim Hudson (tjh@cryptsoft.com)" * * THIS SOFTWARE IS PROVIDED BY ERIC YOU. ``AS IS'' AND * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF * SUCH DAMAGE. * * The licence and distribution terms for any publically a version or * derivative of this code cannot be changed. i.e. this code cannot simply be * cop another distribution licence * [including the GNU Public Licence.] * / ISC license used for c code in BoringSSL: /* Copyright (c) 2015, Google Inc. * * Permission to use, copy, modify, and this software for any * purpose with or without fee is hereby granted, provided that the above notice and this permission notice appear in all copies. * * THE SOFTWARE IS PROVIDED "AS IS" . AUTHOR DISCLAIMS ALL WARRANTIES * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF * MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY * SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY

DAMAGES * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION * OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN * CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. * / Some files from Intel carry the following license: # Copyright (c) 2012, Intel Corporation # # All rights reserved. # # Redistribution and use in source and binary forms, with or witho are permitted provided that the following conditions are # met: # # * Redistributions of sour retain the above copyright # notice, this list of conditions and the following disclaimer. # binary form must reproduce the above copyright # notice, this list of conditions and the follthe # documentation and/or other materials provided with the # distribution. # # * Neither the Intel Corporation nor the names of its # contributors may be used to endorse or promote produ from # this software without specific prior written permission. # # # THIS SOFTWARE IS PROVID. INTEL CORPORATION ""AS IS"" AND ANY # EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE # IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR # PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL CORPORATION OR # CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, # EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, # PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR # PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF # LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING # NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS # SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. functions to support regular expressions whose syntax and semantics are as close as possible the Perl 5 language. Release 8 of PCRE is distributed under the terms of the "BSD" licence, a below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the the software itself. The data in the testdata directory is not copyrighted and is in the publ library functions are written in C and are freestanding. Also included in the distribution is wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. optional features that can be omitted when the library is built. THE BASIC LIBRARY FUNCTIONS _____

Written by: Philip Hazel Email local part: ph10 Email domain: cam.ac.uk University of Cambrid Service, Cambridge, England. Copyright (c) 1997-2015 University of Cambridge All rights reser JUST-IN-TIME COMPILATION SUPPORT ------ Written by: Zoltan Her local part: hzmester Emain domain: freemail.hu Copyright(c) 2010-2015 Zoltan Herczeg All righ STACK-LESS JUST-IN-TIME COMPILER ------ Written by: Zoltan Herczeg part: hzmester Emain domain: freemail.hu Copyright(c) 2009-2015 Zoltan Herczeg All rights res C++ WRAPPER FUNCTIONS ------ Contributed by: Google Inc. Copyright (c) 200 Google Inc. All rights reserved. THE "BSD" LICENCE ------ Redistribution and use in binary forms, with or without modification, are permitted provided that the following condition Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di * Neither the name of the University of Cambridge nor the name of Google Inc. nor the names o contributors may be used to endorse or promote products derived from this software without sp written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED

AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS original fortran 77 code from FFTPACKv4 from NETLIB, authored by Dr Paul Swarztrauber of NCAR 1985. As confirmed by the NCAR fftpack software curators, the following FFTPACKv5 license app FFTPACKv4 sources. My changes are released under the same terms. FFTPACK license: http://www.cisl.ucar.edu/css/software/fftpack5/ftpk.html Copyright (c) 2004 the University Co Atmospheric Research ("UCAR"). All rights reserved. Developed by NCAR's Computational and Inf. Systems Laboratory, UCAR, www.cisl.ucar.edu. Redistribution and use of the Software in source forms, with or without modification, is permitted provided that the following conditions are names of NCAR's Computational and Information Systems Laboratory, the University Corporation Atmospheric Research, nor the names of its sponsors or contributors may be used to endorse or products derived from this Software without specific prior written permission. - Redistribution must retain the above copyright notices, this list of conditions, and the disclaimer below. - Redistributions in binary form must reproduce the above copyright notice, this list of cond disclaimer below in the documentation and/or other materials provided with the distribution. SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE any discrepancy between this copy and the notices in the file png.h that is included in the l the latter shall prevail. COPYRIGHT NOTICE, DISCLAIMER, and LICENSE: If you modify libpng you insert additional notices immediately following this sentence. libpng versions 1.2.6, August 1.2.27, April 29, 2008, are Copyright (c) 2004, 2006-2008 Glenn Randers-Pehrson, and are dist according to the same disclaimer and license as libpng-1.2.5 with the following individual ad Contributing Authors Cosmin Truta libpng versions 1.0.7, July 1, 2000, through 1.2.5 - Octobe Copyright (c) 2000-2002 Glenn Randers-Pehrson, and are distributed according to the same disc license as libpng-1.0.6 with the following individuals added to the list of Contributing Auth-Cadieux Eric S. Raymond Gilles Vollant and with the following additions to the disclaimer: The warranty against interference with your enjoyment of the library or against infringement. The that our efforts or the library will fulfill any of your particular purposes or needs. This 1 faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998, 19 Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-0 following individuals added to the list of Contributing Authors: Tom Lane Glenn Randers-Pehrs Schaik libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996, 1997. Dilger Distributed according to the same disclaimer and license as libpng-0.88, with the folladded to the list of Contributing Authors: John Bowler Kevin Bracey Sam Bushell Magnus Holmgr Roelofs Tom Tanner libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (1996 Guy Eric Schalnat, Group 42, Inc. For the purposes of this copyright and license, "Contr is defined as the following set of individuals: Andreas Dilger Dave Martindale Guy Eric Schal Tim Wegner The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group disclaim all warranties, expressed or implied, including, without limitation, the warranties and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liabili indirect, incidental, special, exemplary, or consequential damages, which may result from the Reference Library, even if advised of the possibility of such damage. Permission is hereby gr. copy, modify, and distribute this source code, or portions hereof, for any purpose, without for following restrictions: 1. The origin of this source code must not be misrepresented. 2. Alter be plainly marked as such and must not be misrepresented as being the original source. 3. Thi notice may not be removed or altered from any source or altered source distribution. The Cont Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source component to

supporting the PNG file format in commercial products. If you use this source code in a produ acknowledgment is not required but would be appreciated. A "png get copyright" function is av convenient use in "about" boxes and the like: printf("%s",png_get_copyright(NULL)); Also, the PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg (88x31) and "png (98x31). Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certifi the Open Source Initiative. Glenn Randers-Pehrson glennrp at users.sourceforge.net April 29, Redistribution and use in source and binary forms, with or without modification, are permitte the following conditions are met: * Redistributions of source code must retain the above copy list of conditions and the following disclaimer. * Redistributions in binary form must reprod copyright notice, this list of conditions and the following disclaimer in the documentation a materials provided with the distribution. * Neither the name of Google Inc. nor the names of may be used to endorse or promote products derived from this software without specific prior permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Code generated by the Protocol Buffer compiler owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itsel All rights reserved. // // Redistribution and use in source and binary forms, with or without permitted provided that the following conditions are // met: // // * Redistributions of source the above copyright // notice, this list of conditions and the following disclaimer. // * Red form must reproduce the above // copyright notice, this list of conditions and the following documentation and/or other materials provided with the // distribution. // * Neither the name the names of its // contributors may be used to endorse or promote products derived from // t. without specific prior written permission. // // THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF of public-domain single-file C/C++ libraries, primarily aimed at game developers. The compila files are licensed under the MIT license, but the single-file libraries themselves are in the for use and modification for any purpose without legal friction). The MIT License (MIT) Permi granted, free of charge, to any person obtaining a copy of this software and associated docume (the "Software"), to deal in the Software without restriction, including without limitation to modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to per whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or subs the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

with gcc3 and gcc4 is licensed under the GPL, with the following exception: # As a special ex may use this file as part of a free software # library without restriction. Specifically, if templates or use macros or inline functions from this file, or you compile # this file and li produce an executable, this # file does not by itself cause the resulting executable to be co GNU General Public License. This exception does not however # invalidate any other reasons wh ********************************* TinyXml is released under the zlib license: This software is pro any express or implied warranty. In no event will the authors be held liable for any damages use of this software. Permission is granted to anyone to use this software for any purpose, i. commercial applications, and to alter it and redistribute it freely, subject to the following origin of this software must not be misrepresented; you must not claim that you wrote the original you use this software in a product, an acknowledgment in the product documentation would be a but is not required. 2. Altered source versions must be plainly marked as such, and must not 3 misrepresented as being the original software. 3. This notice may not be removed or altered f distribution.

included in all copies of any software which is or includes a copy or modification of this so copies of the supporting documentation for such software. THIS SOFTWARE IS BEING PROVIDED "AS WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHORS NOR

LUCENT TECHNOLOGIES MAKE ANY REPRESENTATION OR WARRANTY OF ANY KIND

CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH agreed upon by most contributors, and is currently the canonical license preferred by the X.O This is a slight variant of the common MIT license form published by the Open Source Initiati http://www.opensource.org/licenses/mit-license.php Copyright holders of new code should use t statement where possible, and insert their name to this list. Please sort by surname for peop name for other entities (e.g. Juliusz Chroboczek sorts before Intel Corporation sorts before See each individual source file or directory for the license that applies to that file. Copyr 2006,2008 Jamey Sharp, Josh Triplett Copyright (c) 2009 Red Hat, Inc. Copyright 1990-1992,1999,2000,2004,2009,2010 Oracle and/or its affiliates. All rights reserved. Permission i granted, free of charge, to any person obtaining a copy of this software and associated docum (the "Software"), to deal in the Software without restriction, including without limitation t modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to pe whom the Software is furnished to do so, subject to the following conditions: The above copyr this permission notice (including the next paragraph) shall be included in all copies or subs the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. ---------- The following licenses are 'legacy' - usually MIT/X1 the copyright holder(s) in the license statement: Copyright 1984-1994, 1998 The Open Group Pe use, copy, modify, distribute, and sell this software and its documentation for any purpose i without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. The above cop and this permission notice shall be included in all copies or substantial portions of the Sof SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other de Software without prior written authorization from The Open Group. X Window System is a trademark of The Open Group. -----Copyright 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1994, 1996 X Consortium Copyright 2000 Th XFree86 Project, Inc. Permission is hereby granted, free of charge, to any person obtaining a software and associated documentation files (the "Software"), to deal in the Software without including without limitation the rights to use, copy, modify, merge, publish, distribute, sub copies of the Software, and to permit persons to whom the Software is furnished to do so, sub

following conditions: The above copyright notice and this permission notice shall be included

substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of the X Consortium shall not be used in advertising or promote the sale, use or other dealings in this Software without prior written authorization Consortium. Copyright 1985, 1986, 1987, 1988, 1989, 1990, 1991 by Digital Equipment Corporation Copyright 1990, 1991 by Tektronix, Inc. Permission to use, copy, modify and distribute this d any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission all copies, and that the names of Digital and Tektronix not be used in in advertising or publ this documentation without specific, written prior permission. Digital and Tektronix makes no about the suitability of this documentation for any purpose. It is provided ``as is'' without warranty. ----- Copyright (c) 1999-2000 Free Software Found is hereby granted, free of charge, to any person obtaining a copy of this software and associdocumentation files (the "Software"), to deal in the Software without restriction, including rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the permit persons to whom the Software is furnished to do so, subject to the following condition copyright notice and this permission notice shall be included in all copies or substantial po Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE FREE SOFTWARE FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of the Free Software Foundation shall not be used in advertising or oth promote the sale, use or other dealings in this Software without prior written authorization Software Foundation. ----- Code and supporting documentation 1991 Tektronix, Inc. All Rights Reserved This file is a component of an X Window System-speci implementation of Xcms based on the TekColor Color Management System. TekColor is a trademark Tektronix, Inc. The term "TekHVC" designates a particular color space that is the subject of 4,985,853 (equivalent foreign patents pending). Permission is hereby granted to use, copy, mo otherwise distribute this software and its documentation for any purpose and without fee, pro-This copyright, permission, and disclaimer notice is reproduced in all copies of this software modification thereof and in supporting documentation; 2. Any color-handling application which TekHVC color cooordinates identifies these as TekHVC color coordinates in any interface that coordinates and in any associated documentation; 3. The term "TekHVC" is always used, and is association

with the mathematical derivations of the TekHVC Color Space, including those provided in this equivalent pathways and mathematical derivations, regardless of digital (e.g., floating point representation. Tektronix makes no representation about the suitability of this software for provided "as is" and with all faults. TEKTRONIX DISCLAIMS ALL WARRANTIES APPLICABLE TO THIS SOFTWARE, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL TEKTRONIX BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA, OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE, OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR THE PERFORMANCE OF THIS SOFTWARE. ------ (c) Copyright 1995 FUJITSU LIMITED

code modified by FUJITSU LIMITED under the Joint Development Agreement for the CDE/Motif PST. ----- Copyright 1992 by Oki Technosystems Laboratory, Inc. Copyrigh Co., Ltd. Permission to use, copy, modify, distribute, and sell this software and its documen purpose is hereby granted without fee, provided that the above copyright notice appear in all both that copyright notice and this permission notice appear in supporting documentation, and of Oki Technosystems Laboratory and Fuji Xerox not be used in advertising or publicity pertai. distribution of the software without specific, written prior permission. Oki Technosystems La Xerox make no representations about the suitability of this software for any purpose. It is p without express or implied warranty. OKI TECHNOSYSTEMS LABORATORY AND FUJI XEROX DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OKI TECHNOSYSTEMS LABORATORY AND FUJI XEROX BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright 1990, 1991, 1992, 1993, 1994 by FUJITSU LIMITED Permission to use, copy, modify, di and sell this software and its documentation for any purpose is hereby granted without fee, p above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation name of FUJITSU LIMITED not be used in advertising or publicity pertaining to distribution of without specific, written prior permission. FUJITSU LIMITED makes no representations about the this software for any purpose. It is provided "as is" without express or implied warranty. FU DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU LIMITED BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyri 1995 David E. Wexelblat. All rights reserved Permission is hereby granted, free of charge, to obtaining a copy of this software and associated documentation files (the "Software"), to dea without restriction, including without limitation the rights to use, copy, modify, merge, pub sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is so, subject to the following conditions: The above copyright notice and this permission notic included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL DAVID E. WEXELBLAT BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of David E. Wexelblat not be used in advertising or otherwise to promote the sale, use or other dealings in this So OMRON Corporation Permission to use, copy, modify, distribute, and sell this software and its for any purpose is hereby granted without fee, provided that the above copyright notice appea and that both that copyright notice and this permission notice appear in supporting documenta the name OMRON not be used in advertising or publicity pertaining to distribution of the soft specific, written prior permission. OMRON makes no representations about the suitability of t any purpose. It is provided "as is" without express or implied warranty. OMRON DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OMRON BE LIABLE FOR ANY SPECIAL,

INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTUOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 1985, 1986, 1989, 1990, 1991 by Digital Equipment Corporation Portions Copyright 1990, 1991 by Tektronix, Rewritten for X.org by Chris Lee <clee@freedesktop.org> Permission to use, copy, modify and sell this documentation for any purpose and without fee is hereby granted, provided that copyright notice and this permission notice appear in all copies. Chris Lee makes no represen implied warranty. ------ Eopyright 1993 by Digital Equipmen Massachusetts, Copyright 1994 by FUJITSU LIMITED Copyright 1994 by Sony Corporation All Right Reserved Permission to use, copy, modify, and distribute this software and its documentation purpose and without fee is hereby granted, provided that the above copyright notice appear in that both that copyright notice and this permission notice appear in supporting documentation names of Digital, FUJITSU LIMITED and Sony Corporation not be used in advertising or publicit to distribution of the software without specific, written prior permission. DIGITAL, FUJITSU SONY CORPORATION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL DIGITAL, FUJITSU LIMITED AND SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright 1991 by the Open Software Foundation Permission to use, copy, modify, distribute, a software and its documentation for any purpose is hereby granted without fee, provided that t copyright notice appear in all copies and that both that copyright notice and this permission supporting documentation, and that the name of Open Software Foundation not be used in advert publicity pertaining to distribution of the software without specific, written prior permissi-Foundation makes no representations about the suitability of this software for any purpose. I is" without express or implied warranty. OPEN SOFTWARE FOUNDATION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPEN SOFTWARE FOUNDATIONN BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 1990, 1991, 1994 by FUJITSU LIMITED Copyright 1993, 1994 by Sony Corporation Permission to use, copy, mod distribute, and sell this software and its documentation for any purpose is hereby granted wi provided that the above copyright notice appear in all copies and that both that copyright no permission notice appear in supporting documentation, and that the name of FUJITSU LIMITED and Corporation not be used in advertising or publicity pertaining to distribution of the software written prior permission. FUJITSU LIMITED and Sony Corporation makes no representations about suitability of this software for any purpose. It is provided "as is" without express or impli-LIMITED AND SONY CORPORATION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU LIMITED OR SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright (c) 1993, 1995 by Silicon G Systems, Inc. Permission to use, copy, modify, and distribute this software and its documenta purpose and without fee is hereby granted, provided that the above copyright notice appear in that both that copyright

notice and this permission notice appear in supporting documentation, and that the name of Si not be used in advertising or publicity pertaining to distribution of the software without sp permission. Silicon Graphics makes no representation about the suitability of this software f is provided "as is" without any express or implied warranty. SILICON GRAPHICS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright 1991, 1992, 1993, 1994 by FUJITSU LIMITED Copyright 1993 by Digital Equipment Corpo Permission to use, copy, modify, distribute, and sell this software and its documentation for hereby granted without fee, provided that the above copyright notice appear in all copies and copyright notice and this permission notice appear in supporting documentation, and that the FUJITSU LIMITED and Digital Equipment Corporation not be used in advertising or publicity per distribution of the software without specific, written prior permission. FUJITSU LIMITED and Equipment Corporation makes no representations about the suitability of this software for any provided "as is" without express or implied warranty. FUJITSU LIMITED AND DIGITAL EQUIPMENT CORPORATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU LIMITED AND DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 1992, 1993 by FUJITSU LIMITED Co Fujitsu Open Systems Solutions, Inc. Copyright 1994 by Sony Corporation Permission to use, co distribute and sell this software and its documentation for any purpose is hereby granted wit provided that the above copyright notice appear in all copies and that both that copyright no permission notice appear in supporting documentation, and that the name of FUJITSU LIMITED, Fujitsu Open Systems Solutions, Inc. and Sony Corporation not be used in advertising or public to distribution of the software without specific, written prior permission. FUJITSU LIMITED, Systems Solutions, Inc. and Sony Corporation make no representations about the suitability of for any purpose. It is provided "as is" without express or implied warranty. FUJITSU LIMITED, OPEN SYSTEMS SOLUTIONS, INC. AND SONY CORPORATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU OPEN SYSTEMS SOLUTIONS, INC., FUJITSU LIMITED AND SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright 1987, 1988, 1990, 1993 by Digital Equipment Corporation, Maynard, Massachusetts, Al Reserved Permission to use, copy, modify, and distribute this software and its documentation purpose and without fee is hereby granted, provided that the above copyright notice appear in that both that copyright notice and this permission notice appear in supporting documentation name of Digital not be used in advertising or publicity pertaining to distribution of the sof specific, written prior permission. DIGITAL DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO

EVENT SHALL DIGITAL BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright 1993 by SunSoft, Inc. Copyright 1999-2000 by Bruno Haible Permission to use, copy, a distribute, and sell this software and its documentation for any purpose is hereby granted wi provided that the above copyright notice appear in all copies and that both that copyright no permission notice appear in supporting documentation, and that the names of SunSoft, Inc. and not be used in advertising or publicity pertaining to distribution of the software without sp permission. SunSoft, Inc. and Bruno Haible make no representations about the suitability of t any purpose. It is provided "as is" without express or implied warranty. SunSoft Inc. AND Bruno Haible DISCLAIM . WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL SunSoft, Inc. OR Bruno Haible BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 1991 by t Software Foundation Copyright 1993 by the TOSHIBA Corp. Permission to use, copy, modify, dist sell this software and its documentation for any purpose is hereby granted without fee, proviabove copyright notice appear in all copies and that both that copyright notice and this perm appear in supporting documentation, and that the names of Open Software Foundation and TOSHIB. used in advertising or publicity pertaining to distribution of the software without specific, permission. Open Software Foundation and TOSHIBA make no representations about the suitabilit software for any purpose. It is provided "as is" without express or implied warranty. OPEN SO FOUNDATION AND TOSHIBA DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPEN SOFTWARE FOUNDATIONN OR TOSHIBA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 1988 by Wyse Technology, Inc., S. Rights Reserved Permission to use, copy, modify, and distribute this software and its documen purpose and without fee is hereby granted, provided that the above copyright notice appear in that both that copyright notice and this permission notice appear in supporting documentation name Wyse not be used in advertising or publicity pertaining to distribution of the software written prior permission. WYSE DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL DIGITAL BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 1991 by the Open Software Foundation Copyr

the Sony Corporation Permission to use, copy, modify, distribute, and sell this software and a documentation for any purpose is hereby granted without fee, provided that the above copyright appear in all copies and that both that copyright notice and this permission notice appear in documentation, and that the names of Open Software Foundation and Sony Corporation not be used advertising or publicity pertaining to distribution of the software without specific, written Open Software Foundation and Sony Corporation make no representations about the suitability of software for any purpose. It is provided "as is" without express or implied warranty. OPEN SO

FOUNDATION AND SONY CORPORATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPEN SOFTWARE FOUNDATIONN OR SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 1992, 1993 b LIMITED Copyright 1993 by Fujitsu Open Systems Solutions, Inc. Permission to use, copy, modif and sell this software and its documentation for any purpose is hereby granted without fee, p above copyright notice appear in all copies and that both that copyright notice and this perm appear in supporting documentation, and that the name of FUJITSU LIMITED and Fujitsu Open Sys Solutions, Inc. not be used in advertising or publicity pertaining to distribution of the sof written prior permission. FUJITSU LIMITED and Fujitsu Open Systems Solutions, Inc. makes no representations about the suitability of this software for any purpose. It is provided "as is implied warranty. FUJITSU LIMITED AND FUJITSU OPEN SYSTEMS SOLUTIONS, INC. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU OPEN SYSTEMS SOLUTIONS, INC. AND FUJITSU LIMITED BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright 1993, 1994 by Sony Corporation Permission to use, copy, modify, distribute, and sel and its documentation for any purpose is hereby granted without fee, provided that the above notice appear in all copies and that both that copyright notice and this permission notice ap documentation, and that the name of Sony Corporation not be used in advertising or publicity distribution of the software without specific, written prior permission. Sony Corporation makrepresentations about the suitability of this software for any purpose. It is provided "as is implied warranty. SONY CORPORATION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ---------- Copyright 1986, 1998 The Open Group Copyright (c) 2000 The XFree86 Proj Permission to use, copy, modify, distribute, and sell this software and its documentation for hereby granted without fee, provided that the above copyright notice appear in all copies and copyright notice and this permission notice appear in supporting documentation. The above cop and this permission notice shall be included in all copies or substantial portions of the Sof SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM OR THE XFREE86 PROJECT BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of the X Consortium or of the XFree86 Project shall not be used in adve otherwise to promote the sale, use or other dealings in this Software without prior written a the X Consortium and the XFree86 Project. ----- Copyright Corporation, NTT Software Corporation, and Nippon Telegraph and Telephone Corporation Copyrig by the Open Software Foundation Copyright 1993 by the FUJITSU LIMITED Permission to use, copy, modify, distribute, and sell this software and its documentation for

hereby granted without fee, provided that the above copyright notice appear in all copies and copyright notice and this permission notice appear in supporting documentation, and that the OMRON, NTT Software, NTT, and Open Software Foundation not be used in advertising or publicit pertaining to distribution of the software without specific, written prior permission. OMRON, NTT, and Open Software Foundation make no representations about the suitability of this softw. purpose. It is provided "as is" without express or implied warranty. OMRON, NTT SOFTWARE, NTT OPEN SOFTWARE FOUNDATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OMRON, NTT SOFTWARE, NTT, OR OPEN SOFTWARE FOUNDATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 1988 by Wyse Technology, Inc., San Jose, Ca, Copyright 1987 by Digital Equipment Corporation, Maynard, Mas All Rights Reserved Permission to use, copy, modify, and distribute this software and its doc any purpose and without fee is hereby granted, provided that the above copyright notice appea and that both that copyright notice and this permission notice appear in supporting documenta the name Digital not be used in advertising or publicity pertaining to distribution of the so specific, written prior permission. DIGITAL AND WYSE DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL DIGITAL OR WYSE BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ---------- Copyright 1991, 1992 by Fuji Xerox Co., Ltd. Copyright 1992, 1993, 1994 LIMITED Permission to use, copy, modify, distribute, and sell this software and its documenta purpose is hereby granted without fee, provided that the above copyright notice appear in all both that copyright notice and this permission notice appear in supporting documentation, and of Fuji Xerox,

FUJITSU LIMITED not be used in advertising or publicity pertaining to distribution of the sof specific, written prior permission. Fuji Xerox, FUJITSU LIMITED make no representations about of this software for any purpose. It is provided "as is" without express or implied warranty. FUJITSU LIMITED DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJI XEROX, FUJITSU LIMITED BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright 2006 Josh Triplett Permission is hereby granted, free of charge, to any person obta this software and associated documentation files (the "Software"), to deal in the Software wi including without limitation the rights to use, copy, modify, merge, publish, distribute, sub copies of the Software, and to permit persons to whom the Software is furnished to do so, sub following conditions: The above copyright notice and this permission notice shall be included substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. ----------- (c) Copyright 1996 by Sebastien Marineau and Holger Veit

<marineau@genie.uottawa.ca> <Holger.Veit@gmd.de> Permission is hereby granted, fr charge, to any person obtaining a copy of this software and associated documentation files (t to deal in the Software without restriction, including without limitation the rights to use, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to Software is furnished to do so, subject to the following conditions: The above copyright notipermission notice shall be included in all copies or substantial portions of the Software. TH PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL HOLGER VEIT BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of Sebastien Marineau or Holger Veit shall not be used in advertising or otherwise to promote the other dealings in this Software without prior written authorization from Holger Veit or Sebas ----- Copyright 1990, 1991 by OMRON Corporation, NTT Software Nippon Telegraph and Telephone Corporation Copyright 1991 by the Open Software Foundation Cop 1993 by the TOSHIBA Corp. Copyright 1993, 1994 by Sony Corporation Copyright 1993, 1994 by th FUJITSU LIMITED Permission to use, copy, modify, distribute, and sell this software and its d for any purpose is hereby granted without fee, provided that the above copyright notice appea and that both that copyright notice and this permission notice appear in supporting documenta the names of OMRON, NTT Software, NTT, Open Software Foundation, and Sony Corporation not be in advertising or publicity pertaining to distribution of the software without specific, writ OMRON, NTT Software, NTT, Open Software Foundation, and Sony Corporation make no representation about the suitability of this software for any purpose. It is provided "as is" without expres OMRON, NTT SOFTWARE, NTT, OPEN SOFTWARE FOUNDATION, AND SONY CORPORATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OMRON, NTT SOFTWARE, NTT, OPEN SOFTWARE FOUNDATION, OR SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ----- Copyright 2000 by Brun Permission to use, copy, modify, distribute, and sell this software and its documentation for hereby granted without fee, provided that the above copyright notice appear in all copies and copyright notice and this permission notice appear in supporting documentation, and that the Haible not be used in advertising or publicity pertaining to distribution of the software wit prior permission. Bruno Haible makes no representations about the suitability of this softwar purpose. It is provided "as is" without express or implied warranty. Bruno Haible DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL Bruno Haible BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright (c) 2003 Keith Packard Permission to use, copy, modify, distribute, and sell this s documentation for any purpose is hereby granted without fee, provided that the above copyrigh appear in all copies and that both that copyright notice and this permission notice appear in documentation, and that the name of Keith Packard not be used in advertising or publicity per distribution of the software without specific, written prior permission. Keith Packard makes about the suitability of this software for any purpose. It is provided "as is" without expres

KEITH PACKARD DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL KEITH PACKARD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright (c) 2007-2009, Troy D. Hanson All rights reserved. Redistribution and use in source forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----- Copyright 1992, 1993 by TOSHIBA Corp. Permission to and distribute this software and its documentation for any purpose and without fee is hereby provided that the above copyright notice appear in all copies and that both that copyright no permission notice appear in supporting documentation, and that the name of TOSHIBA not be use advertising or publicity pertaining to distribution of the software without specific, written TOSHIBA make no representations about the suitability of this software for any purpose. It is without express or implied warranty. TOSHIBA DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOSHIBA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. -----Copyright IBM Corporation 1993 All Rights Reserved License to use, copy, modify, and distribu software and its documentation for any purpose and without fee is hereby granted, provided the copyright notice appear in all copies and that both that copyright notice and this permission supporting documentation, and that the name of IBM not be used in advertising or publicity pe distribution of the software without specific, written prior permission. IBM DISCLAIMS ALL WA WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS, AND NONINFRINGEMENT OF THIRD PARTY RIGHTS, IN NO EVENT SHALL IBM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. ------ Copyright 1990, 199 OMRON Corporation, NTT Software Corporation, and Nippon Telegraph and Telephone Corporation Permission to use, copy, modify, distribute, and sell this software and its documentation for hereby granted without fee, provided that the above copyright notice appear in all copies and copyright notice and this permission notice appear in supporting documentation, and that the names of OMRON, NTT Software, and NTT not be used in advertising publicity pertaining to distribution of the software without specific, written prior permissi Software, and NTT make no representations about the suitability of this software for any purp provided "as is" without express or implied warranty. OMRON, NTT SOFTWARE, AND NTT, DISCLAIM .

WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OMRON, NTT SOFTWARE, OR NTT, BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION ****************************** (extracted from README, except for match.S) Copyright notice: (C Jean-loup Gailly and Mark Adler This software is provided 'as-is', without any express or imp no event will the authors be held liable for any damages arising from the use of this softward granted to anyone to use this software for any purpose, including commercial applications, an redistribute it freely, subject to the following restrictions: 1. The origin of this software misrepresented; you must not claim that you wrote the original software. If you use this soft an acknowledgment in the product documentation would be appreciated but is not required. 2. A versions must be plainly marked as such, and must not be misrepresented as being the original This notice may not be removed or altered from any source distribution. Jean-loup Gailly Mark jloup@gzip.org madler@alumni.caltech.edu If you use the zlib library in a product, we would a receiving lengthy legal documents to sign. The sources are provided for free but without warr The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include If you redistribute modified sources, we would appreciate that you include in the file Change information documenting your changes. Please read the FAQ for more information on the distrib modified source versions. (extracted from match.S, for match.S only) Copyright (C) 1998, 2007 Brian Raiter <breadbox@muppetlabs.com> This software is providwithout any express or implied warranty. In no event will the author be held liable for any d from the use of this software. Permission is granted to anyone to use this software for any p commercial applications, and to alter it and redistribute it freely, subject to the following origin of this software must not be misrepresented; you must not claim that you wrote the original you use this software in a product, an acknowledgment in the product documentation would be a but is not required. 2. Altered source versions must be plainly marked as such, and must not 3 misrepresented as being the original software. 3. This notice may not be removed or altered f rights reserved. Redistribution and use in source and binary forms, with or without modificat provided that the following conditions are met: * Redistributions of source code must retain copyright notice, this list of conditions and the following disclaimer. * Redistributions in 3 reproduce the above copyright notice, this list of conditions and the following disclaimer in and/or other materials provided with the distribution. * Neither the name of Google Inc. nor contributors may be used to endorse or promote products derived from this software without sp written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. ---------- The file url parse.cc is based on nsURLParsers.cc fr licensed separately as follows:

The contents of this file are subject to the Mozilla Public License Version 1.1 (the "License" use this file except in compliance with the License. You may obtain a copy of the License at

http://www.mozilla.org/MPL/ Software distributed under the License is distributed on an "AS I WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific langoverning rights and limitations under the License. The Original Code is mozilla.org code. The Developer of the Original Code is Netscape Communications Corporation. Portions created by the Developer are Copyright (C) 1998 the Initial Developer. All Rights Reserved. Contributor(s): (original author) Alternatively, the contents of this file may be used under the terms of eit General Public License Version 2 or later (the "GPL"), or the GNU Lesser General Public Licen or later (the "LGPL"), in which case the provisions of the GPL or the LGPL are applicable ins above. If you wish to allow use of your version of this file only under the terms of either t and not to allow others to use your version of this file under the terms of the MPL, indicate deleting the provisions above and replace them with the notice and other provisions required 2 the LGPL. If you do not delete the provisions above, a recipient may use your version of this terms of any one of the MPL, the GPL or the LGPL. -------- The file icu utf.cc is from IBM. This file is licensed separately as follows: ICU License COPYRIGHT AND PERMISSION NOTICE Copyright (c) 1995-2009 International Business Machines Corporation and others All rights reserved. Permission is hereby granted, free of charge, to obtaining a copy of this software and associated documentation files (the "Software"), to dea without restriction, including without limitation the rights to use, copy, modify, merge, pub and/or sell copies of the Software, and to permit persons to whom the Software is furnished to provided that the above copyright notice (s) and this permission notice appear in all copies o and that both the above copyright notice(s) and this permission notice appear in supporting d THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealing Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions use, reproduction, and distribution as defined by Sections 1 through 9 of this document. "Lic mean the copyright owner or entity authorized by the copyright owner that is granting the Lic Entity" shall mean the union of the acting entity and all other entities that control, are controled and all other entities that control, are controled as a set of the set of t under common control with that entity. For the purposes of this definition, "control" means (direct or indirect, to cause the direction or management of such entity, whether by contract (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial entity. "You" (or "Your") shall mean an individual or Legal Entity exercising permissions gra License. "Source" form shall mean the preferred form for making modifications, including but : software source code, documentation source, and configuration files. "Object" form shall mean resulting from mechanical transformation or translation of a Source form, including but not 1 object code, generated documentation, and conversions to other media types. "Work" shall mean authorship, whether in Source or Object form, made available under the License, as indicated notice that is included in or attached to the work (an example is provided in the Appendix below). "Derivative Works" shall mean any work, whether

or Object form, that is based on (or derived from) the Work and for which the editorial revis elaborations, or other modifications represent, as a whole, an original work of authorship. For this License, Derivative Works shall not include works that remain separable from, or merely name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co. mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the Work and such Derivative Works in S form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each C grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (ex this section) patent license to make, have made, use, offer to sell, sell, import, and otherw Work, where such license applies only to those patent claims licensable by such Contributor t necessarily infringed by their Contribution(s) alone or by combination of their Contribution(which such Contribution(s) was submitted. If You institute patent litigation against any enti cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporate constitutes direct or contributory patent infringement, then any patent licenses granted to Y-License for that Work shall terminate as of the date such litigation is filed. 4. Redistribut reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with o modifications, and in Source or Object form, provided that You meet the following conditions: (a) You must give any other recipients of the Work or Derivative Works a copy of this License must cause any modified files to carry prominent notices stating that You changed the files; retain, in the Source form of any Derivative Works that You distribute, all copyright, patent attribution notices from the Source form of the Work, excluding those notices that do not per the Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distri Derivative Works that You distribute must include a readable copy of the attribution notices such NOTICE file, excluding those notices that do not pertain to any part of the Derivative W. one of the following places: within a NOTICE text file distributed as part of the Derivative Source form or documentation, if provided along with the Derivative Works; or, within a displ. the Derivative Works, if and wherever such third-party notices normally appear. The contents file are for informational purposes only and do not modify the License. You may add Your own notices within Derivative Works that You distribute, alongside or as an addendum to the NOTIC: the Work, provided that such additional attribution notices cannot be construed as modifying You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Y state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions

of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Wor any risks associated with Your exercise of permissions under this License. 8. Limitation of L event and under no legal theory, whether in tort (including negligence), contract, or otherwi required by applicable law (such as deliberate and grossly negligent acts) or agreed to in wr Contributor be liable to You for damages, including any direct, indirect, special, incidental damages of any character arising as a result of this License or out of the use or inability to (including but not limited to damages for loss of goodwill, work stoppage, computer failure o any and all other commercial damages or losses), even if such Contributor has been advised of possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistribut Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of suppor indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for incurred by, or claims asserted against, such Contributor by reason of your accepting any suc additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, enclosed by brackets "[]" replaced with your own identifying information. (Don't include the should be enclosed in the appropriate comment syntax for the file format. We also recommend t class name and description of purpose be included on the same "printed page" as the copyright easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] the Apache License, Version 2.0 (the "License"); you may not use this file except in complian License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 U required by applicable law or agreed to in writing, software distributed under the License is "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License accompanying documentation, tests and demonstration applications, are licensed under the follconditions... The author (Baptiste Lepilleur) explicitly disclaims copyright in all jurisdict such a disclaimer. In such jurisdictions, this software is released into the Public Domain. I do not recognize Public Domain property (e.g. Germany as of 2010), this software is Copyright by Baptiste Lepilleur, and is released under the terms of the MIT License (see below). In jur recognize Public Domain property, the user of this software may choose to accept it either as Domain, 2) under the conditions of the MIT License (see below), or 3) under the terms of dual Domain/MIT License conditions described here, as they choose. The MIT License is about as clo Domain as a license can get, and is described in clear, concise terms at: http://en.wikipedia.org/wiki/MIT License The full text of the MIT License follows:

======Copyright (c)

2007-2010 Baptiste Lepilleur Permission is hereby granted, free of charge, to any person obta this software and associated documentation files (the "Software"), to deal in the Software wi including without limitation the rights to use, copy, modify, merge, publish, distribute, sub copies of the Software, and to permit persons to whom the Software is furnished to do so, sub following conditions: The above copyright notice and this permission notice shall be included substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABI

LITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- (END

LICENSE TEXT) The MIT license is compatible with both the GPL and commercial software, afford of the rights of Public Domain with the

minor nuisance of being required to keep the above copyright notice and license text in the s Note also that by accepting the Public Domain "license" you can re-license your copy using wh. reserved. Redistribution and use in source and binary forms, with or without modification, are provided that the following conditions are met: * Redistributions of source code must retain copyright notice, this list of conditions and the following disclaimer. * Redistributions in 2 reproduce the above copyright notice, this list of conditions and the following disclaimer in and/or other materials provided with the distribution. * Neither the name of Google nor the n contributors may be used to endorse or promote products derived from this software without sp. written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GVR Keyboard

Project Homepage: NA

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defi-1 through 9 of this document. "Licensor" shall mean the copyright owner or entity authorized 3 owner that is granting the License. "Legal Entity" shall mean the union of the acting entity entities that control, are controlled by, or are under common control with that entity. For t definition, "control" means (i) the power, direct or indirect, to cause the direction or mana entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of shares, or (iii) beneficial ownership of such entity. "You" (or "Your") shall mean an individ exercising permissions granted by this License. "Source" form shall mean the preferred form for modifications, including but not limited to software source code, documentation source, and c files. "Object" form shall mean any form resulting from mechanical transformation or translat form, including but not limited to compiled object code, generated documentation, and convers media types. "Work" shall mean the work of authorship, whether in Source or Object form, made under the License, as indicated by a copyright notice that is included in or attached to the is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source form, that is based on (or derived from) the Work and for which the editorial revisions, anno elaborations, or other modifications represent, as a whole, an original work of authorship. F this License, Derivative Works shall not include works that remain separable from, or merely name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Comean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and

subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the term conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works distribute must include a readable copy of the attribution notices contained within such NOTI excluding those notices that do not pertain to any part of the Derivative Works, in at least places: within a NOTICE text file distributed as part of the Derivative Works; within the Sou documentation, if provided along with the Derivative Works; or, within a display generated by Works, if and wherever such third-party notices normally appear. The contents of the NOTICE f informational purposes only and do not modify the License. You may add Your own attribution n Derivative Works that You distribute, alongside

or as an addendum to the NOTICE text from the Work, provided that such additional attribution cannot be construed as modifying the License. You may add Your own copyright statement to You modifications and may provide additional or different license terms and conditions for use, re distribution of Your modifications, or for any such Derivative Works as a whole, provided You reproduction, and distribution of the Work otherwise complies with the conditions stated in t Submission of Contributions. Unless You explicitly state otherwise, any Contribution intention for inclusion in the Work by You to the Licensor shall be under the terms and conditions of t without any additional terms or conditions. Notwithstanding the above, nothing herein shall s modify the terms of any separate license agreement you may have executed with Licensor regard Contributions. 6. Trademarks. This License does not grant permission to use the trade names, service marks, or product names of the Licensor, except as required for reasonable and custom. describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaim Unless required by applicable law or agreed to in writing, Licensor provides the Work (and ea provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assumassociated with Your exercise of permissions under this License. 8. Limitation of Liability. I under no legal theory, whether in tort (including negligence), contract, or otherwise, unless applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall liable to You for damages, including any direct, indirect, special, incidental, or consequents character arising as a result of this License or out of the use or inability to use the Work limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or an commercial damages or losses), even if such Contributor has been advised of the possibility of damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deriv thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, inder liability obligations and/or rights consistent with this License. However, in accepting such of may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Co only if You agree to indemnify, defend, and hold each Contributor harmless for any liability is claims asserted against, such Contributor by reason

of your accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPEN How to apply the Apache License to your work. To apply the Apache License to your work, attach following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own information. (Don't include the brackets!) The text should be enclosed in the appropriate comm the file format. We also recommend that a file or class name and description of purpose be inde same "printed page" as the copyright notice for easier identification within third-party archi-2014 The Android Open Source Project Licensed under the Apache License, Version 2.0 (the "Licenmay not use this file except in compliance with the License. You may obtain a copy of the Licenhttp://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in a software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language of permissions and limitations under the License.

harfbuzz-ng

Project Homepage: http://harfbuzz.org

HarfBuzz is licensed under the so-called "Old MIT" license. Details follow. For parts of Harff licensed under different licenses see individual files names COPYING in subdirectories where a Copyright (c) 2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020 Google, Inc. Copyright (c) 2018,2019,2020 Ebrahim Byagowi Copyright (c) 2019,2020 Facebook, Inc. Copyright (c) 2012 Mozi: Foundation Copyright (c) 2011 Codethink Limited Copyright (c) 2008,2010 Nokia Corporation and subsidiary(-ies) Copyright (c) 2009 Keith Stribley Copyright (c) 2009 Martin Hosken and SIL In Copyright (c) 2007 Chris Wilson Copyright (c) 2006 Behdad Esfabbod Copyright (c) 2005 David To Copyright (c) 2004,2007,2008,2009,2010 Red Hat, Inc. Copyright (c) 1998-2004 David Turner and Lemberg For full copyright notices consult the individual files in the package.

Permission is hereby granted, without written agreement and without license or royalty fees, modify, and distribute this software and its documentation for any purpose, provided that the notice and the following two paragraphs appear in all copies of this software. IN NO EVENT SH COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS

DOCUMENTATION, EVEN IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF

SUCH DAMAGE. THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES,

INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS"

BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO PROVIDE MAINTENANCE,

SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

Headers for the Windows 10 WebAuthn API (webauthn.dll)

Project Homepage: https://github.com/Microsoft/webauthn/

MIT License Copyright (c) Microsoft Corporation. All rights reserved. Permission is hereby gra

charge, to any person obtaining a copy of this software and associated documentation files (to deal in the Software without restriction, including without limitation the rights to use, a publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to Software is furnished to do so, subject to the following conditions: The above copyright notion permission notice shall be included in all copies or substantial portions of the Software. The PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE hunspell

Project Homepage: http://hunspell.sourceforge.net/

MOZILLA PUBLIC LICENSE Version 1.1 ----- 1. Definitions. 1.0.1. "Commercial Use" me. distribution or otherwise making the Covered Code available to a third party. 1.1. "Contribut entity that creates or contributes to the creation of Modifications. 1.2. "Contributor Versio combination of the Original Code, prior Modifications used by a Contributor, and the Modifica that particular Contributor. 1.3. "Covered Code" means the Original Code or Modifications or of the Original Code and Modifications, in each case including portions thereof. 1.4. "Electro Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data. 1.5. "Executable" means Covered Code in any form other than Sour "Initial Developer" means the individual or entity identified as the Initial Developer in the required by Exhibit A. 1.7. "Larger Work" means a work which combines Covered Code or portion with code not governed by the terms of this License. 1.8. "License" means this document. 1.8. means having the right to grant, to the maximum extent possible, whether at the time of the i subsequently acquired, any and all of the rights conveyed herein. 1.9. "Modifications" means or deletion from the substance or structure of either the Original Code or any previous Modif Covered Code is released as a series of files, a Modification is: A. Any addition to or delet contents of a file containing Original Code or previous Modifications. B. Any new file that c the Original Code or previous Modifications. 1.10. "Original Code" means Source Code of compu code which is described in the Source Code notice required by Exhibit A as Original Code, and time of its release under this

License is not already Covered Code governed by this License. 1.10.1. "Patent Claims" means a claim(s), now owned or hereafter acquired, including without limitation, method, process, and claims, in any patent Licensable by grantor. 1.11. "Source Code" means the preferred form of Code for making modifications to it, including all modules it contains, plus any associated in files, scripts used to control compilation and installation of an Executable, or source code comparisons against either the Original Code or another well known, available Covered Code of Contributor's choice. The Source Code can be in a compressed or archival form, provided the a decompression or de-archiving software is widely available for no charge. 1.12. "You" (or "Yo individual or a legal entity exercising rights under, and complying with all of the terms of, future version of this License issued under Section 6.1. For legal entities, "You" includes a controls, is controlled by, or is under common control with You. For purposes of this definit means (a) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding si beneficial ownership of such entity. 2. Source Code License. 2.1. The Initial Developer Grant Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to thi intellectual property claims: (a) under intellectual property rights (other than patent or tr. by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute t (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and (b) Claims infringed by the making, using or selling of Original Code, to make, have made, use, p and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof). (c) granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first dist under the terms of this License. (d) Notwithstanding Section 2.1(b) above, no patent license code that You delete from the Original Code; 2) separate from the Original Code; or 3) for in caused by: i) the modification of the Original Code or ii) the combination of the Original Co software or devices. 2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a wor free, non-exclusive license (a) under intellectual property rights (other than patent or trad by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Mo created by such Contributor (or portions thereof) either on an unmodified basis, with other M. Covered Code and/or as part of a Larger Work; and (b) under Patent Claims infringed by the ma or selling of Modifications made by that Contributor either alone and/or in combination with Version (or portions of such combination), to make, use, sell, offer for sale, have made, and dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combi-Modifications made by that Contributor with its Contributor Version (or portions of such comb licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first ma Use of the Covered Code. (d) Notwithstanding Section 2.2(b) above, no patent license is grant code that Contributor has deleted from the Contributor Version; 2) separate from the Contribu for infringements caused by: i) third party modifications of Contributor Version or ii) the c Modifications made by that Contributor with other software (except as part of the Contributor other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifica that Contributor. 3. Distribution Obligations. 3.1. Application of License. The Modifications or to which You contribute are governed by the terms of this License, including without limit. The Source Code version of Covered Code may be distributed only under the terms of this Licen future version of this License released under Section 6.1, and You must include a copy of thi every copy of the Source Code You distribute. You may not offer or impose any terms on any So version that alters or restricts the applicable version of this License or the recipients' ri-However, You may include an additional document offering the additional rights described in S Availability of Source Code. Any Modification which You create or to which You contribute mus available in Source Code form under the terms of this License either on the same media as an version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Ex. version available; and if made available via Electronic Distribution Mechanism, must remain a least twelve (12)

months after the date it initially became available, or at least six (6) months after a subse particular Modification has been made available to such recipients. You are responsible for e Source Code version remains available even if the Electronic Distribution Mechanism is mainta party. 3.3. Description of Modifications. You must cause all Covered Code to which You contril a file documenting the changes You made to create that Covered Code and the date of any chang must include a prominent statement that the Modification is derived, directly or indirectly, provided by the Initial Developer and including the name of the Initial Developer in (a) the (b) in any notice in an Executable version or related documentation in which You describe the ownership of the Covered Code. 3.4. Intellectual Property Matters (a) Third Party Claims. If knowledge that a license under a third party's intellectual property rights is required to exgranted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file w Code distribution titled "LEGAL" which describes the claim and the party making the claim in that a recipient will know whom to contact. If Contributor obtains such knowledge after the M made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file Contributor makes available thereafter and shall take other steps (such as notifying approprior newsgroups) reasonably calculated to inform those who received the Covered Code that new k. has been obtained. (b) Contributor APIs. If Contributor's Modifications include an application interface and Contributor has knowledge of patent licenses which are reasonably necessary to a that API, Contributor must also include this information in the LEGAL file. (c) Representation represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes the Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights conveyed by this License. 3.5. Required Notices. You must duplicate the notice in Exhibit A in Source Code. If it is not possible to put such notice in a particular Source Code file due to You must include such notice in a location (such as a relevant directory) where a user would b for such a notice. If You created one or more Modification(s) You may add your name as a Contri notice described in Exhibit A. You must also duplicate this License in any documentation for a where You describe recipients' rights or ownership rights relating to Covered Code. You may cl and to

charge a fee for, warranty, support, indemnity or liability obligations to one or more recipi-Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Develo Contributor. You must make it absolutely clear than any such warranty, support, indemnity or obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer a Contributor for any liability incurred by the Initial Developer or such Contributor as a resu support, indemnity or liability terms You offer. 3.6. Distribution of Executable Versions. Yo Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for Code, and if You include a notice stating that the Source Code version of the Covered Code is under the terms of this License, including a description of how and where You have fulfilled Section 3.2. The notice must be conspicuously included in any notice in an Executable version documentation or collateral in which You describe recipients' rights relating to the Covered distribute the Executable version of Covered Code or ownership rights under a license of Your may contain terms different from this License, provided that You are in compliance with the t License and that the license for the Executable version does not attempt to limit or alter the in the Source Code version from the rights set forth in this License. If You distribute the E under a different license You must make it absolutely clear that any terms which differ from offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to in-Initial Developer and every Contributor for any liability incurred by the Initial Developer o a result of any such terms You offer. 3.7. Larger Works. You may create a Larger Work by comb Covered Code with other code not governed by the terms of this License and distribute the Lar single product. In such a case, You must make sure the requirements of this License are fulfi Covered Code. 4. Inability to Comply Due to Statute or Regulation. If it is impossible for Yo any of the terms of this License with respect to some or all of the Covered Code due to statu or regulation then You must: (a) comply with the terms of this License to the maximum extent (b) describe the limitations and the code they affect. Such description must be included in t described in Section 3.4 and must be included with all distributions of the Source Code. Exce prohibited by statute or regulation, such description must be sufficiently detailed for a rec skill to be able to understand it. 5. Application of this License. This License applies to co Developer has

attached the notice in Exhibit A and to related Covered Code. 6. Versions of the License. 6.1 Netscape Communications Corporation ("Netscape") may publish revised and/or new versions of the from time to time. Each version will be given a distinguishing version number. 6.2. Effect of Once Covered Code has been published under a particular version of the License, You may always to use it under the terms of that version. You may also choose to use such Covered Code under any subsequent version of the License published by Netscape. No one other than Netscape has the modify the terms applicable to Covered Code created under this License. 6.3. Derivative Works or use a modified version of this License (which you may only do in order to apply it to code already Covered Code governed by this License), You must (a) rename Your license so that the particular to the terms of the Covered Code created under the terms of the terms applicable to Covered Code created under the terms of the terms of the terms of the terms of the terms (which you may only do in order to apply it to code already Covered Code governed by this License), You must (a) rename Your license so that the particular terms of the terms of terms of the terms of terms of the terms of terms of

"Mozilla", "MOZILLAPL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase d appear in your license (except to note that your license differs from this License) and (b) o clear that Your version of the license contains terms which differ from the Mozilla Public Li Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Cont notice described in Exhibit A shall not of themselves be deemed to be modifications of this L DISCLAIMER OF WARRANTY. COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER. 8. TERMINATION. 8.1. This License and the rights granted hereunder will terminate automatically comply with terms herein and fail to cure such breach within 30 days of becoming aware of the sublicenses to the Covered Code which are properly granted shall survive any termination of t Provisions which, by their nature, must remain in effect beyond the termination of this Licen 8.2. If You initiate litigation by asserting a patent infringement claim (excluding declatory judgment actions) against Initial Developer or a Contributor (the or Contributor against whom You file such action is referred to as "Participant") alleging the Participant's Contributor Version directly or indirectly infringes any patent, then any and a such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days not Participant terminate prospectively, unless if within 60 days after receipt of notice You eit. writing to pay Participant a mutually agreeable reasonable royalty for Your past and future u Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to Version against such Participant. If within 60 days of notice, a reasonable royalty and payme are not mutually agreed upon in writing by the parties or the litigation claim is not withdra granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the ex 60 day notice period specified above. (b) any software, hardware, or device, other than such Contributor Version, directly or indirectly infringes any patent, then any rights granted to Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first m distributed, or had made, Modifications made by that Participant. 8.3. If You assert a patent claim against Participant alleging that such Participant's Contributor Version directly or in patent where such claim is resolved (such as by license or settlement) prior to the initiation infringement litigation, then the reasonable value of the licenses granted by such Participan 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or l the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (ex distributors and resellers) which have been validly granted by You or any distributor hereund termination shall survive termination. 9. LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE

EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU. 10. U.S. GOVERNMENT END USERS. The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 199 of "commercial computer software" and "commercial computer software documentation," as such to used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.720 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those right forth herein. 11. MISCELLANEOUS. This License represents the complete agreement concerning su matter hereof. If any provision of this License is held to be unenforceable, such provision s only to the extent necessary to make it enforceable. This License shall be governed by Califo provisions (except to the extent applicable law, if any, provides otherwise), excluding its c provisions. With respect to disputes in which at least one party is a citizen of, or an entit registered to do business in the United States of America, any litigation relating to this Li subject to the jurisdiction of the Federal Courts of the Northern District of California, wit Clara County, California, with the losing party responsible for costs, including without limi and reasonable attorneys' fees and expenses. The application of the United Nations Convention Contracts for the International Sale of Goods is expressly excluded. Any law or regulation wh the language of a contract shall be construed against the drafter shall not apply to this Lic RESPONSIBILITY FOR CLAIMS. As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of License and You agree to work with Initial Developer and Contributors to distribute such resp. equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of MULTIPLE-LICENSED CODE. Initial Developer may designate portions of the Covered Code as "Mult Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portion Code under Your choice of the NPL or the alternative licenses, if any, specified by the Initia file described in Exhibit A. EXHIBIT A -Mozilla Public License. ``The contents of this file a Mozilla Public License Version 1.1 (the "License"); you may not use this file except in compl License. You may obtain a copy of the License at

http://www.mozilla.org/MPL/ Software distributed under the License is distributed on an "AS I WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific langoverning rights and limitations under the License. The Original Code is

> ______. The Initial Developer of the Original Code is ______. Portions created by ______ are Copyright (C) ______ . All Rights Reserved. Contributor(s):

_______. Alternatively, the contents of this file may be used terms of the ______ license (the "[___] License"), in which case the provisions of [_____] License applicable instead of those above. If you wish to allow use of your version of this file only the [____] License and not to allow others to use your version of this file under the MPL, indecision by deleting the provisions above and replace them with the notice and other provision the [___] License. If you do not delete the provisions above, a recipient may use your version under either the MPL or the [___] License." [NOTE: The text of this Exhibit A may differ slight of the notices in the Source Code files of the Original Code. You should use the text of this than the text found in the Original Code Source Code for Your Modifications.]

IAccessible2 COM interfaces for accessibility

Project Homepage: https://github.com/LinuxAlly/IAccessible2

the following * disclaimer in the documentation and/or other materials * provided with the di Neither the name of the Linux Foundation nor the names of its * contributors may be used to e promote products * derived from this software without specific prior written * permission. * SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND * CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, * INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF * MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE * DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR * CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; * LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR * OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, * EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. * * This BSD License conforms to the Open Source Initiative "Simplified * BSD License" as published at: * http://www.opensource.org/lic license.php * * IAccessible2 is a trademark of the Linux Foundation. The IAccessible2 * mark accordance with the Linux Foundation Trademark * Policy to indicate compliance with the IAcce iccjpeg

Project Homepage: http://www.ijg.org

(Copied from the README.) ------ extracted from IJG's jpeg distribution: ------ In ple promise that this software works. (But if you find any bugs, please let us know!) 2. You can for whatever you want. You don't have to pay us. 3. You may not pretend that you wrote this so use it in a

program, you must acknowledge somewhere in your documentation that you've used the IJG code. legalese: The authors make NO WARRANTY or representation, either express or implied, with resp software, its quality, accuracy, merchantability, or fitness for a particular purpose. This s "AS IS", and you, its user, assume the entire risk as to its quality and accuracy. This softw. 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below. Permission is hereb to use, copy, modify, and distribute this software (or portions thereof) for any purpose, wit these conditions: (1) If any part of the source code for this software is distributed, then t must be included, with this copyright and no-warranty notice unaltered; and any additions, de changes to the original files must be clearly indicated in accompanying documentation. (2) If code is distributed, then the accompanying documentation must state that "this software is ba the work of the Independent JPEG Group". (3) Permission for use of this software is granted of accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY of any kind. These conditions apply to any software derived from or based on the IJG code, no unmodified library. If you use our work, you ought to acknowledge us. Permission is NOT grant of any IJG author's name or company name in advertising or publicity relating to this softwar derived from it. This software may be referred to only as "the Independent JPEG Group's softw. specifically permit and encourage the use of this software as the basis of commercial product all warranty or liability claims are assumed by the product vendor.

icu

Project Homepage: https://github.com/unicode-org/icu

COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later) Copyright (c) 1991-2019 Unicode, Inc. All reserved. Distributed under the Terms of Use in https://www.unicode.org/copyright.html. Permi hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and documentation

(the "Data Files") or Unicode software and any associated documentation (the "Software") to de Files or Software without restriction, including without limitation the rights to use, copy, r

publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons Files or Software are furnished to do so, provided that either (a) this copyright and permiss with all copies of the Data Files or Software, or (b) this copyright and permission notice ap Documentation. THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or promote the sale, use or other dealings in these Data Files or Software without prior written the copyright holder. ----- Third-Party Software Licenses This section contain software notices and/or additional terms for licensed third-party software components include libraries. 1. ICU License - ICU 1.8.1 to ICU 57.1 COPYRIGHT AND PERMISSION NOTICE Copyright (1995-2016 International Business Machines Corporation and others All rights reserved. Permiss granted, free of charge, to any person obtaining a copy of this software and associated docum (the "Software"), to deal in the Software without restriction, including without limitation to modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons Software is furnished to do so, provided that the above copyright notice(s) and this permissiin all copies of the Software and that both the above copyright notice(s) and this permission supporting documentation. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or promote the sale, use or other dealings in this Software without prior written authorization holder. All trademarks and registered trademarks mentioned herein are the property of their re owners. 2. Chinese/Japanese Word Break Dictionary Data (cjdict.txt) # The Google Chrome softw. developed by Google is licensed under # the BSD license. Other software included in this dist provided under other licenses, as set forth below. # # The BSD License # http://opensource.or license.php # Copyright (C) 2006-2008, Google Inc. # # All rights reserved. # # Redistribution source and binary forms, with or without # modification, are permitted provided that the follare met: # # Redistributions of source code must retain the above copyright notice, # this li and the following disclaimer. # Redistributions in binary form must reproduce the above # cop this list of conditions and the following # disclaimer in the documentation and/or other mate # the distribution. # Neither the name of Google Inc. nor the names of its # contributors may endorse or promote products derived from # this software without specific prior written permi THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND # CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, # INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF # MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE # DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE # LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR # CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF # SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR # BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF # LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING # NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS # SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. # # # The word list in cjdict.txt are generated by combining three word lists # listed below with for compound word breaking. The # frequency is generated with an iterative training against G corpora. # # * Libtabe (Chinese) # - https://sourceforge.net/project/?group id=1519 # - Its 1 conditions are shown below. # # * IPADIC (Japanese) # - http://chasen.aistnara.ac.jp/chasen/distribution.html # - Its license terms and conditions are shown below. # # COPYING.libtabe ---- BEGIN----- # # /* # * Copyright (c) 1999 TaBE Project. # 1999 Pai-Hsiang Hsiao. # * All rights reserved. # * # * Redistribution and use in source and 2 or without # * modification, are permitted provided that the following conditions # * are met Redistributions of source code must retain the above copyright # * notice, this list of condi following disclaimer. # * . Redistributions in binary form must reproduce the above copyright list of conditions and the following disclaimer in # * the documentation and/or other materia the # * distribution. # * . Neither the name of the TaBE Project nor the names of its # * con used to endorse or promote products derived # * from this software without specific prior wri # * # * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS # * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT # * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS # * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE # * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, # * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES # * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR # * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) # * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, # * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) # * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED # * OF THE POSSIBILITY OF SUCH DAMAGE. # * / # # /* # * Copyright (c) 1999 Computer Systems and Communication Lab, # * Institute of Information Science, Academia # * Si rights reserved. # * # * Redistribution and use in source and binary forms, with or without # permitted provided that the following conditions

\star are met: # \star # \star . Redistributions of source code must retain the above copyright # \star not conditions and the following disclaimer. # * . Redistributions in binary form must reproduce copyright # * notice, this list of conditions and the following disclaimer in # * the documen materials provided with the # * distribution. # * . Neither the name of the Computer Systems Communication Lab # * nor the names of its contributors may be used to endorse or # * promote derived from this software without specific # * prior written permission. # * # * THIS SOFTWA PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS # * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT # * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS # * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE # * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, # * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES # * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR # * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) # * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, # * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) # * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED # * OF THE POSSIBILITY OF SUCH DAMAGE. # * / # # Copyright 1996 Chih-Hao Tsai @ Beckman Institute University of Illinois # c-tsai4@uiuc.edu http://casper.beckman.uiuc.edu/~c-tsai4 # # ------COPYING.libtabe----END-----COPYING.ipadic------- # # Copyright 2000, 2001, 2002, 2003 Nara Institute of Science # and Technology Reserved. # # Use, reproduction, and distribution of this software is permitted. # Any copy o whether in its original form or modified, # must include both the above copyright notice and

paragraphs. # # Nara Institute of Science and Technology (NAIST), # the copyright holders, di warranties with regard to this # software, including all implied warranties of merchantabilit no event shall NAIST be liable for # any special, indirect or consequential damages or any da whatsoever resulting from loss of use, data or profits, whether in an # action of contract, no tortuous action, arising out # of or in connection with the use or performance of this softwa portion of the dictionary entries # originate from ICOT Free Software. The following condition # Free Software applies to the current dictionary as well. # # Each User may also freely dist Program, whether in its # original form or modified, to any third party or parties, PROVIDED provisions of Section 3 ("NO WARRANTY") will ALWAYS appear # on, or be attached to, the Progr is distributed substantially # in the same form as set out herein and that such intended # di actually made, will neither violate or otherwise # contravene any of the laws and regulations having # jurisdiction over the User or the intended distribution itself. # # NO WARRANTY # # " was produced on an experimental basis in the course of the # research and development conduct the project and is provided # to users as so produced on an experimental basis. Accordingly, is provided without any warranty whatsoever, whether express, # implied, statutory or otherwi "warranty" used herein # includes, but is not limited to, any warranty of the quality, # perf merchantability and fitness for a particular purpose of # the program and the nonexistence of infringement or violation of # any right of any third party. # # Each user of the program wil understand, and be deemed to # have agreed and understood, that there is no warranty whatsoever program and, accordingly, the entire risk arising from or # otherwise connected with the prog by the user. # # Therefore, neither ICOT, the copyright holder, or any other # organization t or was otherwise related to the # development of the program and their respective officials, officers and other employees shall be held liable for any and all # damages, including, witho general, special, incidental # and consequential damages, arising out of or otherwise in conn use or inability to use the program or any product, material # or result produced or otherwise using the program, # regardless of whether they have been advised of, or otherwise had # know possibility of such damages at any time during the # project or thereafter. Each user will be agreed to the # foregoing by his or her commencement of use of the program. The term # "use" herein includes, but is not limited to, the use, # modification, copying and distribution of # production of secondary products from the program. # # In the case where the program, wheth original form or # modified, was distributed or delivered to or received by a user from # any organization or entity other than ICOT, unless it makes or # grants independently of ICOT any warranty to the user in # writing, such person, organization or entity, will also be exempted held liable to the user for any such damages as noted # above as far as the program is concer # Copyright (c) 2013 International Business Machines Corporation # and others. All Rights Res Project: http://code.google.com/p/lao-dictionary/ # Dictionary: http://lao-dictionary.googlec Dictionary.txt # License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt below) # # This file is derived from the above dictionary, with slight # modifications. # -------- # Copyright (C) 2013 Brian Eugene Wilson, Robert Mart rights reserved. # # Redistribution and use in source and binary forms, with or without # mod permitted provided that the following conditions are met: # # # Redistributions of source cod above copyright notice, this # list of conditions and the following disclaimer. Redistribution must reproduce the above copyright notice, this list of # conditions and the following discla documentation and/or # other materials provided with the distribution. # # # THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS # "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT # LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS # FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE # COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, # INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES # (INCLUDING, BUT NOT

LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR # SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) # HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, # STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) # ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED # OF THE POSSIBILITY OF SUCH DAMAGE. # -----Burmese Word Break Dictionary Data (burmesedict.txt) # Copyright (c) 2014 International Busin Machines Corporation # and others. All Rights Reserved. # # This list is part of a project ho github.com/kanyawtech/myanmar-karen-word-lists # # ------- # Copyright (c) 2013, LeRoy Benjamin Sharon # All rights reserved. # # Redistribution and and binary forms, with or without # modification, are permitted provided that the following c # are met: Redistributions of source code must retain the above # copyright notice, this list the following # disclaimer. Redistributions in binary form must reproduce the # above copyrig of conditions and the following # disclaimer in the documentation and/or other materials prov distribution. # # Neither the name Myanmar Karen Word Lists, nor the names of its # contribut used to endorse or promote products derived # from this software without specific prior writte # THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND # CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, # INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF # MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE # DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS # BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, # EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED # TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, # DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON # ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR # TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF # THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF # SUCH DAMAGE. # ---------- 5. Time Zone Database ICU uses the public domain data and code derived Database for its time zone support. The ownership of the TZ database is explained in BCP 175: for Maintaining the Time Zone Database section 7. # 7. Database Ownership # # The TZ database not an IETF Contribution or an IETF # document. Rather it is a pre-existing and regularly upd is in the public domain, and is intended to remain in the # public domain. Therefore, BCPs 78 79 [RFC3979] do # not apply to the TZ Database or contributions that individuals make # to it claims be made and substantiated against the TZ # Database, the organization that is providing Considerations defined in this RFC, under the memorandum of # understanding with the IETF, cu ICANN, may act in accordance # with all competent court orders. No ownership claims will be m. ICANN or the IETF Trust on the database or the code. Any person # making a contribution to the code waives all rights to # future claims in that contribution or in the TZ Database. 6. Goog conversion Copyright 2006-2011, the V8 project authors. All rights reserved. Redistribution a and binary forms, with or without modification, are permitted provided that the following con-* Redistributions of source code must retain the above copyright notice, this list of condition following disclaimer. * Redistributions in binary form must reproduce the above copyright not conditions and the following disclaimer in the documentation and/or other materials provided distribution. * Neither the name of Google Inc. nor the names of its contributors may be used promote products derived from this software without specific prior written permission. THIS S PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,

WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

inspector protocol

Project Homepage: https://chromium.googlesource.com/deps/inspector protocol/ // Copyright 2016 The Chromium Authors. All rights reserved. // // Redistribution and use in forms, with or without // modification, are permitted provided that the following conditions Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may be or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

ISimpleDOM COM interfaces for accessibility

Project Homepage: http://developer.mozilla.org/en-US/docs/Accessibility/AT-APIs

/* ***** BEGIN LICENSE BLOCK ***** * Version: MPL 1.1/GPL 2.0/LGPL 2.1 * * The contents of th subject to the Mozilla Public License Version * 1.1 (the "License"); you may not use this file compliance with * the License. You may obtain a copy of the License at * http://www.mozilla.o Software distributed under the License is distributed on an "AS IS" basis, * WITHOUT WARRANTY KIND, either express or implied. See the License * for the specific language governing rights under the * License. * * The Original Code is mozilla.org code. * * The Initial Developer of is * Netscape Communications Corporation. * Portions created by the Initial Developer are Cop 2002 * the Initial Developer. All Rights Reserved. * * Contributor(s): * * Alternatively, the may be used under the terms of * either the GNU General Public License Version 2 or later (th the GNU Lesser General Public License Version 2.1 or later (the "LGPL"), * in which case the the GPL or the LGPL are applicable instead \star of those above. If you wish to allow use of your file only * under the terms of either the GPL or the LGPL, and not to allow others to * use y file under the terms of the MPL, indicate your * decision by deleting the provisions above an with the notice * and other provisions required by the GPL or the LGPL. If you do not delete above, a recipient may use your version of this file under * the terms of any one of the MPL, LGPL. * * ***** END LICENSE BLOCK ***** * /

Jinja2 Python Template Engine

Project Homepage: http://jinja.pocoo.org/

Copyright (c) 2009 by the Jinja Team, see AUTHORS for more details.

Some rights reserved. Redistribution and use in source and binary forms, with or without modipermitted provided that the following conditions are met: * Redistributions of source code must above copyright notice, this list of conditions and the following disclaimer. * Redistribution must reproduce the above copyright notice, this list of conditions and the following disclaimed documentation and/or other materials provided with the distribution. * The names of the contrabe used to endorse or promote products derived from this software without specific prior write THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

jsoncpp

Project Homepage: https://github.com/open-source-parsers/jsoncpp

The JsonCpp library's source code, including accompanying documentation, tests and demonstrate applications, are licensed under the following conditions... The author (Baptiste Lepilleur) of copyright in all jurisdictions which recognize such a disclaimer. In such jurisdictions, this into the Public Domain. In jurisdictions which do not recognize Public Domain property (e.g. (2010), this software is Copyright (c) 2007-2010 by Baptiste Lepilleur, and is released under a MIT License (see below). In jurisdictions which recognize Public Domain property, the user of may choose to accept it either as 1) Public Domain, 2) under the conditions of the MIT License or 3) under the terms of dual Public Domain/MIT License conditions described here, as they cho License is about as close to Public Domain as a license can get, and is

Copyright (c) 2007-2010 Baptiste Lepilleur Permission is hereby granted, free of charge, to an obtaining a copy of this software and associated documentation files (the "Software"), to deal without restriction, including without limitation the rights to use, copy, modify, merge, public sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is so, subject to the following conditions: The above copyright notice and this permission notice included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS I WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE

WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND

NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

LICENSE TEXT) The MIT license is compatible with both the GPL and commercial software, afford of the rights of Public Domain with the minor nuisance of being required to keep the above co and license text in the source code. Note also that by accepting the Public Domain "license" license your copy using whatever license you like.

Khronos header files

Project Homepage: http://www.khronos.org/registry

Copyright (c) 2007-2010 The Khronos Group Inc. Permission is hereby granted, free of charge, obtaining a copy of this software and/or associated documentation files (the "Materials"), to Materials without restriction, including without limitation the rights to use, copy, modify, a distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or subst the Materials. THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS. SGI FREE SOFTWARE LICENSE B (Version 2.0, Sept. 18, 2008) Copyright (C) 1992 Silicon Graphics, In-Rights Reserved. Permission is hereby granted, free of charge, to any person obtaining a copy software and associated documentation files (the "Software"), to deal in the Software without including without limitation the rights to use, copy, modify, merge, publish, distribute, sub copies of the Software, and to permit persons to whom the Software is furnished to do so, sub following conditions: The above copyright notice including the dates of first publication and permission notice or a reference to http://oss.sgi.com/projects/FreeB/ shall be included in a substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL SILICON GRAPHICS, INC. BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of Silicon Graphics, Inc. shall not be used in a otherwise to promote the sale, use or other dealings in this Software without prior written a Silicon Graphics, Inc.

Khronos reference front-end for GLSL and $\ensuremath{\mathsf{ESSL}}$

Project Homepage: https://github.com/KhronosGroup/glslang

Copyright (c) 2015-2016 The Khronos Group Inc. Permission is hereby granted, free of charge, obtaining a copy of this software and/or associated documentation files (the "Materials"), to Materials without restriction, including without limitation the rights to use, copy, modify, a distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or subs the Materials. MODIFICATIONS TO THIS FILE MAY MEAN IT NO LONGER ACCURATELY REFLECTS KHRONOS STANDARDS. THE UNMODIFIED, NORMATIVE VERSIONS OF KHRONOS SPECIFICATIONS AND HEADER INFORMATION ARE LOCATED AT https://www.khronos.org/registry/ THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

LevelDB: A Fast Persistent Key-Value Store

Project Homepage: https://github.com/google/leveldb.git

Copyright (c) 2011 The LevelDB Authors. All rights reserved. Redistribution and use in source forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di Neither the name of Google Inc. nor the names of its contributors may be used to endorse or p products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

libaddressinput

Project Homepage: https://github.com/googlei18n/libaddressinput

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 2 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. Fo this definition, "submitted" means any form of electronic, verbal, or written communication se Licensor or its representatives, including but not limited to communication on electronic mai code control systems, and issue tracking systems that are managed by, or on behalf of, the Li purpose of discussing and improving the Work, but excluding communication that is conspicuous otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" Licensor and any individual or Legal Entity on behalf of whom a Contribution has been receive and subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi: counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other a Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source a Derivative Works that You distribute, all copyright, patent, trademark, and attribution notice form of the Work, excluding those notices that do not pertain to any part of the Derivative Work the Work includes a "NOTICE" text file as part of its

distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all

other commercial damages or losses), even if such Contributor has been advised of the possibility damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derive thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, inder liability obligations and/or rights consistent with this License. However, in accepting such of may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Co only if You agree to indemnify, defend, and hold each Contributor harmless for any liability : claims asserted against, such Contributor by reason of your accepting any such warranty or add liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) Th enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright [yyyy] [name of copyright owner] License Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless req applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. libcxx-pretty-printers

Project Homepage: https://github.com/koutheir/libcxx-pretty-printers

GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007 Copyright (C) 2007 Free Software Foundation Inc. <http://fsf.org/> Everyone is permitted to copy and distribute verbatim copies of document, but changing it is not allowed.

Preamble The GNU General Public License is a free, copyleft license for software and other ki The licenses for most software and other practical works are designed to take away your freed and change the works. By contrast, the GNU General Public License is intended to guarantee yo to share and change all versions of a program--to make sure it remains free software for all Free Software Foundation, use the GNU General Public License for most of our software; it app any other work released this way by its authors. You can apply it to your programs, too. When free software, we are referring to freedom, not price. Our General Public Licenses are design that you have the freedom to distribute copies of free software (and charge for them if you w receive source code or can get it if you want it, that you can change the software or use pie free programs, and that you know you can do these things. To protect your rights, we need to from denying you these rights or asking you to surrender the rights. Therefore, you have cert responsibilities if you distribute copies of the software, or if you modify it: responsibilit freedom of others. For example, if you distribute copies of such a program, whether gratis or must pass on to the recipients the same freedoms that you received. You must make sure that t receive or can get the source code. And you must show them these terms so they know their rig Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on t and (2) offer you this License giving you legal permission to copy, distribute and/or modify developers' and authors' protection, the GPL clearly explains that there is no warranty for t For both users' and authors' sake, the GPL requires that modified versions be marked as chang their problems will not be attributed erroneously to authors of previous versions. Some device to deny users access to install or run modified versions of the software inside them, althoug manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' change the software. The systematic pattern of such abuse occurs in the area of products for use, which is precisely where it is most unacceptable. Therefore, we have designed this version to prohibit the practice for those products. If such problems arise substantially in other do ready to extend this provision to those domains in future versions of the GPL, as needed to p freedom of users. Finally, every program is threatened constantly by software patents. States allow patents to restrict development and use of

software on general-purpose computers, but in those that do, we wish to avoid the special dance patents applied to a free program could make it effectively proprietary. To prevent this, the patents cannot be used to render the program non-free. The precise terms and conditions for condistribution and modification follow. TERMS AND CONDITIONS 0. Definitions. "This License" references of the GNU General Public License. "Copyright" also means copyright-like laws that a kinds of works, such as semiconductor masks. "The Program" refers to any copyrightable work 1: under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be a organizations. To "modify" a work means to copy from or adapt all or part of the work in a fast copyright permission, other than the making of an exact copy. The resulting work is called a "unmodified Program or a work based on the Program. To "propagate" a work means to do anything that, without permission, would make you directly or secondarily liable for infringement under copyright law, except executing it on a computer or modifying a private copy. Propagation inc.

distribution (with or without modification), making available to the public, and in some coun activities as well. To "convey" a work means any kind of propagation that enables other partireceive copies. Mere interaction with a user through a computer network, with no transfer of conveying. An interactive user interface displays "Appropriate Legal Notices" to the extent to convenient and prominently visible feature that (1) displays an appropriate copyright notice, user that there is no warranty for the work (except to the extent that warranties are provide may convey the work under this License, and how to view a copy of this License. If the interfalist of user commands or options, such as a menu, a prominent item in the list meets this cri Code. The "source code" for a work means the preferred form of the work for making modification "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a restandards body, or, in the case of interfaces specified for a particular programming language widely used among developers working in that language. The "System Libraries" of an executable include anything, other than the work as a whole, that (a) is included in the normal form of Component, but which is not part of that Major Component, and (b) serves only to enable use o with that Major Component, or to implement a Standard Interface for which an implementation i the public in source code form. A "Major Component", in this context, means a major essential (kernel, window system, and so on) of the specific operating system (if any) on which the exe runs, or a compiler used to produce the work, or an object code interpreter used to run it. T "Corresponding Source" for a work in object code form means all the source code needed to gen install, and (for an executable work) run the object code and to modify the work, including s those activities. However, it does not include the work's System Libraries, or general-purpos generally available free programs which are used unmodified in performing those activities bu part of the work. For example, Corresponding Source includes interface definition files assoc source files for the work, and the source code for shared libraries and dynamically linked su the work is specifically designed to require, such as by intimate data communication or control those subprograms and other parts of the work. The Corresponding Source need not include anyt users can regenerate automatically from other parts of the Corresponding Source. The Correspo Source for a work in source code form is that same work. 2. Basic Permissions. All rights gra License are granted for the term of copyright on the Program, and are irrevocable provided the conditions are met. This License explicitly affirms your unlimited permission to run the unmo-The output from running a covered work is covered by this License only if the output, given i constitutes a covered work. This License acknowledges your rights of fair use or other equiva provided by copyright law. You may make, run and propagate covered works that you do not conv conditions so long as your license otherwise remains in force. You may convey covered works t the sole purpose of having them make modifications exclusively for you, or provide you with f running those works, provided that you comply with the terms of this License in conveying all which you do not control copyright. Those thus making or running the covered works for you mu exclusively on your behalf, under your direction and control, on terms that prohibit them from copies of

your copyrighted material outside their relationship with you. Conveying under any other circumpermitted solely under the conditions stated below. Sublicensing is not allowed; section 10 mm unnecessary. 3. Protecting Users' Legal Rights From Anti-Circumvention Law. No covered work sole deemed part of an effective technological measure under any applicable law fulfilling obligates 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or recircumvention of such measures. When you convey a covered work, you waive any legal power to a circumvention of technological measures to the extent such circumvention is effected by exercise under this License with respect to the covered work, and you disclaim any intention to limit of modification of the work as a means of enforcing, against the work's users, your or third part forbid circumvention of technological measures. 4. Conveying Verbatim Copies. You may convey

copies of the Program's source code as you receive it, in any medium, provided that you consp appropriately publish on each copy an appropriate copyright notice; keep intact all notices s License and any non-permissive terms added in accord with section 7 apply to the code; keep in notices of the absence of any warranty; and give all recipients a copy of this License along You may charge any price or no price for each copy that you convey, and you may offer support protection for a fee. 5. Conveying Modified Source Versions. You may convey a work based on t or the modifications to produce it from the Program, in the form of source code under the term provided that you also meet all of these conditions: a) The work must carry prominent notices modified it, and giving a relevant date. b) The work must carry prominent notices stating tha under this License and any conditions added under section 7. This requirement modifies the resection 4 to "keep intact all notices". c) You must license the entire work, as a whole, unde anyone who comes into possession of a copy. This License will therefore apply, along with any section 7 additional terms, to the whole of the work, and all its parts, regardless of how the This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it. d) If the work has interactive each must display Appropriate Legal Notices; however, if the Program has interactive interfac display Appropriate Legal Notices, your work need not make them do so. A compilation of a cov with other separate and independent works, which are not by their nature extensions of the co and which are not combined with it such as to form a larger program, in or on a volume of a s distribution medium, is called an "aggregate" if the compilation and its resulting copyright the access or legal rights of the compilation's users beyond what the individual works permit covered work in an aggregate does not cause this License to apply to the other parts of the a Conveying Non-Source Forms. You may convey a covered work in object code form under the terms sections 4 and 5, provided that you also convey the machine-readable Corresponding Source und terms of this License, in one of these ways: a) Convey the object code in, or embodied in, a (including a physical distribution medium), accompanied by the Corresponding Source fixed on physical medium customarily used for software interchange. b) Convey the object code in, or en physical product (including a physical distribution medium), accompanied by a written offer, three years and valid for as long as you offer spare parts or customer support for that produanyone who possesses the object code either (1) a copy of the Corresponding Source for all the the product that is covered by this License, on a durable physical medium customarily used fo interchange, for a price no more than your reasonable cost of physically performing this conv or (2) access to copy the Corresponding Source from a network server at no charge. c) Convey copies of the object code with a copy of the written offer to provide the Corresponding Source alternative is allowed only occasionally and noncommercially, and only if you received the ob such an offer, in accord with subsection 6b. d) Convey the object code by offering access from place (gratis or for a charge), and offer equivalent access to the Corresponding Source in th through the same place at no further charge. You need not require recipients to copy the Corr Source along with the object code. If the place to copy the object code is a network server, Corresponding Source may be on a different server (operated by you or a third party) that sup equivalent copying facilities, provided you maintain

clear directions next to the object code saying where to find the Corresponding Source. Regard server hosts the Corresponding Source, you remain obligated to ensure that it is available for needed to satisfy these requirements. e) Convey the object code using peer-to-peer transmission you inform other peers where the object code and Corresponding Source of the work are being or general public at no charge under subsection 6d. A separable portion of the object code, whose is excluded from the Corresponding Source as a System Library, need not be included in convey object code work. A "User Product" is either (1) a "consumer product", which means any tangible property which is normally used for personal, family, or household purposes, or (2) anything of for incorporation into a dwelling. In determining whether a product is a consumer product, dow

shall be resolved in favor of coverage. For a particular product received by a particular use refers to a typical or common use of that class of product, regardless of the status of the p. the way in which the particular user actually uses, or expects or is expected to use, the proa consumer product regardless of whether the product has substantial commercial, industrial o consumer uses, unless such uses represent the only significant mode of use of the product. "I Information" for a User Product means any methods, procedures, authorization keys, or other i. required to install and execute modified versions of a covered work in that User Product from version of its Corresponding Source. The information must suffice to ensure that the continue the modified object code is in no case prevented or interfered with solely because modification made. If you convey an object code work under this section in, or with, or specifically for u Product, and the conveying occurs as part of a transaction in which the right of possession a User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of is characterized), the Corresponding Source conveyed under this section must be accompanied b Installation Information. But this requirement does not apply if neither you nor any third pa ability to install modified object code on the User Product (for example, the work has been i. The requirement to provide Installation Information does not include a requirement to continue support service, warranty, or updates for a work that has been modified or installed by the r User Product in which it has been modified or installed. Access to a network may be denied wh modification itself materially and adversely affects the operation of the network or violates protocols for communication across the network. Corresponding Source conveyed, and Installation Information provided,

in accord with this section must be in a format that is publicly documented (and with an implavailable to the public in source code form), and must require no special password or key for reading or copying. 7. Additional Terms. "Additional permissions" are terms that supplement t License by making exceptions from one or more of its conditions. Additional permissions that to the entire Program shall be treated as though they were included in this License, to the e valid under applicable law. If additional permissions apply only to part of the Program, that separately under those permissions, but the entire Program remains governed by this License w to the additional permissions. When you convey a copy of a covered work, you may at your optiany additional permissions from that copy, or from any part of it. (Additional permissions ma require their own removal in certain cases when you modify the work.) You may place additiona on material, added by you to a covered work, for which you have or can give appropriate copyr permission. Notwithstanding any other provision of this License, for material you add to a co may (if authorized by the copyright holders of that material) supplement the terms of this Li a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 1 b) Requiring preservation of specified reasonable legal notices or author attributions in tha Appropriate Legal Notices displayed by works containing it; or c) Prohibiting misrepresentation that material, or requiring that modified versions of such material be marked in reasonable w. from the original version; or d) Limiting the use for publicity purposes of names of licensor material; or e) Declining to grant rights under trademark law for use of some trade names, tr service marks; or f) Requiring indemnification of licensors and authors of that material by a conveys the material (or modified versions of it) with contractual assumptions of liability to any liability that these contractual assumptions directly impose on those licensors and autho permissive additional terms are considered "further restrictions" within the meaning of section Program as you received it, or any part of it, contains a notice stating that it is governed with a term that is a further restriction, you may remove that term. If a license document co a further restriction but permits relicensing or conveying under this License, you may add to material governed by the terms of that license document, provided that the further restriction such relicensing or conveying. If you add terms to a covered work in accord with this section in the relevant source files, a statement of the additional terms that apply to those files, where to find the applicable terms. Additional terms, permissive or non-permissive, may be st. of a separately written license, or stated as exceptions; the above requirements apply either Termination. You may not propagate or modify a covered work except as expressly provided unde License. Any attempt otherwise to propagate or modify it is void, and will automatically term under this License (including any patent licenses granted under the third paragraph of section if you cease all violation of this License, then your license from a particular copyright hole provisionally, unless and until the copyright holder explicitly and finally terminates your 1 permanently, if the copyright holder fails to notify you of the violation by some reasonable a days after the cessation. Moreover, your license from a particular copyright holder is reinst if the copyright holder notifies you of the violation by some reasonable means, this is the f received notice of violation of this License (for any work) from that copyright holder, and y violation prior to 30 days after your receipt of the notice. Termination of your rights under not terminate the licenses of parties who have received copies or rights from you under this rights have been terminated and not permanently reinstated, you do not qualify to receive new the same material under section 10. 9. Acceptance Not Required for Having Copies. You are not accept this License in order to receive or run a copy of the Program. Ancillary propagation o occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewi require acceptance. However, nothing other than this License grants you permission to propaga any covered work. These actions infringe copyright if you do not accept this License. Therefo or propagating a covered work, you indicate your acceptance of this License to do so. 10. Aut Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the licensors, to run, modify and propagate that work, subject to this License. You are not response enforcing compliance by third parties with this License. An "entity transaction" is a transac control of an organization, or substantially all assets of one, or subdividing an organization organizations. If propagation of a covered work results from an entity transaction, each part transaction who receives a copy of the work also receives whatever licenses to the work the p. predecessor in interest had or could give under the previous paragraph, plus a right to posse Corresponding Source of the work from the predecessor in interest, if the predecessor has it reasonable efforts. You may not impose any further restrictions on the exercise of the rights affirmed under this License. For example, you may not impose a license fee, royalty, or other exercise of rights granted under this License, and you may not initiate litigation (including counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, sell sale, or importing the Program or any portion of it. 11. Patents. A "contributor" is a copyriauthorizes use under this License of the Program or a work on which the Program is based. The licensed is called the contributor's "contributor version". A contributor's "essential patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired infringed by some manner, permitted by this License, of making, using, or selling its contrib do not include claims that would be infringed only as a consequence of further modification o version. For purposes of this definition, "control" includes the right to grant patent sublic consistent with the requirements of this License. Each contributor grants you a non-exclusive royalty-free patent license under the contributor's essential patent claims, to make, use, se import and otherwise run, modify and propagate the contents of its contributor version. In the paragraphs, a "patent license" is any express agreement or commitment, however denominated, n enforce a patent (such as an express permission to practice a patent or covenant not to sue f infringement). To "grant" such a patent license to a party means to make such an agreement or not to enforce a patent against the party. If you convey a covered work, knowingly relying on and the Corresponding Source of the work is not available for anyone to copy, free of charge terms of this License, through a publicly available network server or other readily accessible then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to

yourself of the benefit of the patent license for this particular work, or (3) arrange, in a the requirements of this License, to extend the patent license to downstream recipients. "Kno means you have actual knowledge that, but for the patent license, your conveying the covered country, or your recipient's use of the covered work in a country, would infringe one or more patents in that country that you have reason to believe are valid. If, pursuant to or in conn transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered wo grant a patent license to some of the parties receiving the covered work authorizing them to modify or convey a specific copy of the covered work, then the patent license you grant is au extended to all recipients of the covered work and works based on it. A patent license is "di does not include within the scope of its coverage, prohibits the exercise of, or is condition exercise of one or more of the rights that are specifically granted under this License. You m covered work if you are a party to an arrangement with a third party that is in the business software, under which you make payment to the third party based on the extent of your activit the work, and under which the third party grants, to any of the parties who would receive the from you, a discriminatory patent license (a) in connection with copies of the covered work c (or copies made from those copies), or (b) primarily for and in connection with specific prod compilations that contain the covered work, unless you entered into that arrangement, or that was granted, prior to 28 March 2007. Nothing in this License shall be construed as excluding implied license or other defenses to infringement that may otherwise be available to you unde patent law. 12. No Surrender of Others' Freedom. If conditions are imposed on you (whether by agreement or otherwise) that contradict the conditions of this License, they do not excuse yo conditions of this License. If you cannot convey a covered work so as to satisfy simultaneous obligations under this License and any other pertinent obligations, then as a consequence you convey it at all. For example, if you agree to terms that obligate you to collect a royalty for from those to whom you convey the Program, the only way you could satisfy both those terms and License would be to refrain entirely from conveying the Program. 13. Use with the GNU Affero License. Notwithstanding any other provision of this License, you have permission to link or covered work with a work licensed under version 3 of the GNU Affero General Public License in combined work, and to convey the resulting work. The terms of this

License will continue to apply to the part which is the covered work, but the special requires Affero General Public License, section 13, concerning interaction through a network will appl combination as such. 14. Revised Versions of this License. The Free Software Foundation may p revised and/or new versions of the GNU General Public License from time to time. Such new ver similar in spirit to the present version, but may differ in detail to address new problems or version is given a distinguishing version number. If the Program specifies that a certain num the GNU General Public License "or any later version" applies to it, you have the option of f and conditions either of that numbered version or of any later version published by the Free Foundation. If the Program does not specify a version number of the GNU General Public License choose any version ever published by the Free Software Foundation. If the Program specifies t can decide which future versions of the GNU General Public License can be used, that proxy's statement of acceptance of a version permanently authorizes you to choose that version for the Later license versions may give you additional or different permissions. However, no addition are imposed on any author or copyright holder as a result of your choosing to follow a later Disclaimer of Warranty. THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given loca according to their terms, reviewing courts shall apply local law that most closely approximate waiver of all civil liability in connection with the Program, unless a warranty or assumption accompanies a copy of the Program in return for a fee. END OF TERMS AND CONDITIONS How to App These Terms to Your New Programs If you develop a new program, and you want it to be of the g possible use to the public, the best way to achieve this is to make it free software which ev redistribute and change under these terms. To do so, attach the following notices to the prog to attach them to the start of each source file to most effectively state the exclusion of wa should have at least the "copyright" line and a pointer to where the full notice is found. (1) program's name and a brief idea of what it does.> Copyright (C) <year> <name of a program is free software: you can redistribute it and/or modify it under the terms of the GNU License as published by the Free Software Foundation, either version 3 of the License, or (at any later version. This program is distributed in the hope that it will be useful, but WITHOU WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy GNU General Public License along with this program. If not, see <http://www.gnu.org/license add information on how to contact you by electronic and paper mail. If the program does termi make it output a short notice like this when it starts in an interactive mode: <program> <year> <name of author> This program comes with ABSOLUTELY NO WARRANTY; for detai

type `show w'. This is free software, and you are welcome to redistribute it under certain con `show c' for details. The hypothetical commands `show w' and `show c' should show the approprithe General Public License. Of course, your program's commands might be different; for a GUI : would use an "about box". You should also get your employer (if you work as a programmer) or a any, to sign a "copyright disclaimer" for the program, if necessary. For more information on a apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary proyour program is a subroutine library, you may consider it more useful to permit linking propriwith the library. If this is what you want to do, use the GNU Lesser General Public License in License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>. libevent

Project Homepage: http://libevent.org/

<provos@citi.umich.edu> Copyright (c) 2007-2010 Niels Provos and Nick Mathewson Redistr use in source and binary forms, with or without modification, are permitted provided that the conditions are met: 1. Redistributions of source code must retain the above copyright notice, conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the notice, this list of conditions and the following disclaimer in the documentation and/or othe provided with the distribution. 3. The name of the author may not be used to endorse or promo derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDE THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com> win32.c: Copyright (c) 200 Davis <mike@datanerds.net> evport.c: Copyright (c) 2007 Sun Microsystems min_heap.h: Cop 2006 Maxim Yegorushkin <maxim.yegorushkin@gmail.com> tree.h: Copyright 2002 Niels Provos <provos@citi.umich.edu>

libgif codec for Skia

Project Homepage: https://skia.googlesource.com/libgifcodec/

SkGifImageReader.h: ***** BEGIN LICENSE BLOCK ***** Version: MPL 1.1/GPL 2.0/LGPL 2.1 The consolidation of this file are subject to the Mozilla Public License Version 1.1 (the "License"); you may not except in compliance with the License. You may obtain a copy of the License at http://www.mozilloftware distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF KIND, either express or implied. See the License for the specific language governing rights an under the License. The Original Code is mozilla.org code. The Initial Developer of the Original Netscape Communications Corporation. Portions created by the Initial Developer are Copyright Initial Developer. All Rights Reserved. Contributor(s): Chris Saari <saari@netscape.com>. Computer Alternatively, the contents of this file may be used under the terms of either the GP Public License Version 2 or later (the "GPL"), or the GNU Lesser General Public License Versio (the "LGPL"), in which case the provisions of the GPL or the LGPL are applicable instead of the you wish to allow use of your version of this file only

SkLibGifCodec.cpp, SkLibGifCodec.h: Copyright 2019 Google LLC. All rights reserved. Redistrib use in source and binary forms, with or without modification, are permitted provided that the conditions are met: * Redistributions of source code must retain the above copyright notice, conditions and the following disclaimer. * Redistributions in binary form must reproduce the notice, this list of conditions and the following disclaimer in the documentation and/or othe provided with the distribution. * Neither the name of the copyright holder nor the names of i may be used to endorse or promote products derived from this software without specific prior permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY

THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. BSD-2-Clause ========== SkLibGifCodec.cpp: Copyright (C) 2006 Apple Computer, Inc. All rights reserved. Redistribution source and binary forms, with or without modification, are permitted provided that the follow are met: 1. Redistributions of source code must retain the above copyright notice, this list the following disclaimer. 2. Redistributions in binary form must reproduce the above copyrigh of conditions and the following disclaimer in the documentation and/or other materials providdistribution. THIS SOFTWARE IS PROVIDED BY APPLE COMPUTER, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE COMPUTER, INC. OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

libipp

Project Homepage: https://chromium.googlesource.com/chromiumos/platform2/libipp // Copyright 2019 The Chromium OS Authors. All rights reserved. // // Redistribution and use binary forms, with or without // modification, are permitted provided that the following cond // * Redistributions of source code must retain the above copyright // notice, this list of c following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may be or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

libjingle XMPP and xmllite libraries

Project Homepage: https://chromium.googlesource.com/external/webrtc

Copyright (c) 2011, The WebRTC project authors. All rights reserved. Redistribution and use is binary forms, with or without modification, are permitted provided that the following condition Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di Neither the name of Google nor the names of its contributors may be used to endorse or promote derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDE THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

libjpeg-turbo

Project Homepage: https://github.com/libjpeg-turbo/ libjpeg-turbo/

2. If your binary distribution includes or uses the TurboJPEG API, then your product document include the text of the Modified BSD License. **Origin** - Clause 2 of the Modified BSD Licen cannot use the name of the IJG or The libjpeg-turbo Project or the contributors thereof in ad publicity, etc. **Origin** - IJG License - Clause 3 of the Modified BSD License 4. The IJG and turbo Project do not warrant libjpeg-turbo to be free of defects, nor do we accept any liabil consequences resulting from your use of the software. **Origin** - IJG License - Modified BSD (C)\<YEAR\> \<AUTHOR\>. All Rights Reserved. Redistribution and use in source and forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to promote products derived from this software without specific prior written permission. THIS S PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS", AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE

POSSIBILITY OF SUCH DAMAGE.

libpng

Project Homepage: http://libpng.org/

PNG Reference Library License version 2 ------ * Copyright (c) 2018-2019 Cosmin Truta. * Copyright (c) 2000-2002, 2018 Glenn Randers-Pehrson. * Copyright (c) 1996-1997 Andreas Dilger. * Copyright (c) 1995-1995 Schalnat, Group 42, Inc. The software is supplied "as is", without warranty of any kind, expression without limitation, the warranties

of merchantability, fitness for a particular purpose, title, and non-infringement. In no even owners, or anyone distributing the software, be liable for any damages or other liability, who tort or otherwise, arising from, out of, or in connection with the software, or the use or ot software, even if advised of the possibility of such damage. Permission is hereby granted to modify, and distribute this software, or portions hereof, for any purpose, without fee, subje restrictions: 1. The origin of this software must not be misrepresented; you must not claim t original software. If you use this software in a product, an acknowledgment in the product do would be appreciated, but is not required. 2. Altered source versions must be plainly marked must not be misrepresented as being the original software. 3. This Copyright notice may not b altered from any source or altered source distribution. PNG Reference Library License version 0.5 through 1.6.35) ------ 1 through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehr derived from libpng-1.0.6, and are distributed according to the same disclaimer and license a with the following individuals added to the list of Contributing Authors: Simon-Pierre Cadieu. Raymond Mans Rullgard Cosmin Truta Gilles Vollant James Yu Mandar Sahastrabuddhe Google Inc. Barkov and with the following additions to the disclaimer: There is no warranty against inter enjoyment of the library or against infringement. There is no warranty that our efforts or th any of your particular purposes or needs. This library is provided with all faults, and the e satisfactory quality, performance, accuracy, and effort is with the user. Some files in the " and some configure-generated files that are distributed with libpng have other copyright owne released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disc license as libpng-0.96, with the following individuals added to the list of Contributing Author Glenn Randers-Pehrson Willem van Schaik libpng versions 0.89, June 1996, through 0.96, May 199 Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed accord same disclaimer and license as libpng-0.88, with the following individuals added to the list of Authors: John Bowler Kevin Bracey Sam Bushell Magnus Holmgren Greg Roelofs Tom Tanner Some fill the "scripts" directory have other copyright owners, but are released under this license. libp May 1995, through 0.88, January 1996, are Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, the purposes of this copyright and license, "Contributing Authors" is defined as the following individuals: Andreas Dilger Dave Martindale Guy Eric Schalnat Paul Schmidt Tim Wegner The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim at expressed or implied, including, without limitation, the warranties of merchantability and of purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, special, exemplary, or consequential damages, which may result from the use of the PNG Reference even if advised of the possibility of such damage. Permission is hereby granted to use, copy, distribute this source code, or portions hereof, for any purpose, without fee, subject to the restrictions: 1. The origin of this source code must not be misrepresented. 2. Altered version marked as such and must not

be misrepresented as being the original source. 3. This Copyright notice may not be removed of any source or altered source distribution. The Contributing Authors and Group 42, Inc. specific without fee, and encourage the use of this source code as a component to supporting the PNG for commercial products. If you use this source code in a product, acknowledgment is not required appreciated.

libprotobuf-mutator

Project Homepage: https://github.com/google/libprotobuf-mutator

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit: means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sha beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity permissions granted by this License. "Source" form shall mean the preferred form for making me including but not limited to software source code, documentation source, and configuration fil form shall mean any form resulting from mechanical transformation or translation of a Source " but not limited to compiled object code, generated documentation, and conversions to other mean "Work" shall mean the work of authorship, whether in Source or Object form, made available und License, as indicated by a

copyright notice that is included in or attached to the work (an example is provided in the Ap "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or the Work and for which the editorial revisions, annotations, elaborations, or other modificate a whole, an original work of authorship. For the purposes of this License, Derivative Works sh works that remain separable from, or merely link (or bind by name) to the interfaces of, the M Derivative Works thereof. "Contribution" shall mean any work of authorship, including the original the Work and any modifications or additions to that Work or Derivative Works thereof, that is submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or authorized to submit on behalf of the copyright owner. For the purposes of this definition, "s any form of electronic, verbal, or written communication sent to the Licensor or its represent but not limited to communication on electronic mailing lists, source code control systems, and systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and s Work, but excluding communication that is conspicuously marked or otherwise designated in writ copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual

on behalf of whom a Contribution has been received by Licensor and subsequently incorporated Work. 2. Grant of Copyright License. Subject to the terms and conditions of this License, eac hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocal license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublic distribute the Work and such Derivative Works in Source or Object form. 3. Grant of Patent Li to the terms and conditions of this License, each Contributor hereby grants to You a perpetua non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such lice to those patent claims licensable by such Contributor that are necessarily infringed by their alone or by combination of their Contribution(s) with the Work to which such Contribution(s) You institute patent litigation against any entity (including a cross-claim or counterclaim in that the Work or a Contribution incorporated within the Work constitutes direct or contributo infringement, then any patent licenses granted to You under this License for that Work shall the date such litigation is filed. 4. Redistribution. You may reproduce and distribute copies Derivative Works thereof in any medium, with or without modifications, and in Source or Objec provided that You

meet the following conditions: (a) You must give any other recipients of the Work or Derivati of this License; and (b) You must cause any modified files to carry prominent notices stating changed the files; and (c) You must retain, in the Source form of any Derivative Works that Y copyright, patent, trademark, and attribution notices from the Source form of the Work, exclunotices that do not pertain to any part of the Derivative Works; and (d) If the Work includes file as part of its distribution, then any Derivative Works that You distribute must include the attribution notices contained within such NOTICE file, excluding those notices that do no part of the Derivative Works, in at least one of the following places: within a NOTICE text f part of the Derivative Works; within the Source form or documentation, if provided along with Works; or, within a display generated by the Derivative Works, if and wherever such third-par normally appear. The contents of the NOTICE file are for informational purposes only and do n License. You may add Your own attribution notices within Derivative Works that You distribute as an addendum to the NOTICE text from the Work, provided that such additional attribution no be construed as modifying the License. You may add Your own copyright statement to Your modif and may provide additional or different license terms and conditions for use, reproduction, o Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduct distribution of the Work otherwise complies with the conditions stated in this License. 5. Su Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitte the Work by You to the Licensor shall be under the terms and conditions of this License, with additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or a terms of any separate license agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission to use the trade names, service marks, or product names of the Licensor, except as required for reasonable and custom describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaim Unless required by applicable law or agreed to in writing, Licensor provides the Work (and ea provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or

implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMEN MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks assoc Your exercise of permissions under this License. 8. Limitation of Liability. In no event and we theory, whether in tort (including negligence), contract, or otherwise, unless required by app as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be 1: damages, including any direct, indirect, special, incidental, or consequential damages of any arising as a result of this License or out of the use or inability to use the Work (including damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all commercial damages or losses), even if such Contributor has been advised of the possibility o damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or ad liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright [yyyy] [name of copyright owner] Licens Apache License, Version 2.0 (the "License"); you may not use this file except in compliance w You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless req applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. libsecret

Project Homepage: https://git.gnome.org/browse/libsecret/

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone to copy and distribute verbatim copies of this license document, but changing it is not allow first released version of the Lesser GPL. It also counts as the successor of the GNU Library version 2, hence the version number 2.1.] Preamble The licenses for most software are designed away your freedom to share and change it. By contrast, the GNU General Public Licenses are in guarantee your freedom to share and change free software--to make sure the software is free f This license, the Lesser General Public License, applies to some specially designated software typically libraries--of the Free Software Foundation and other authors who decide to use it. too, but we suggest you first think carefully about whether this license or the ordinary Gene is the better strategy to use in any particular case, based on the explanations below. When w software, we are referring to freedom of use, not price. Our General Public Licenses are desisure that you have the freedom to distribute copies of free software (and charge for this ser that you receive source code or can get it if you want it; that you can change the software a in new free programs; and that you are informed that you can do these things. To protect your need to make restrictions that forbid distributors to deny you these rights or to ask you to rights. These restrictions translate to certain responsibilities for you if you distribute co you modify it. For example, if you distribute copies of the library, whether gratis or for a recipients all the rights that we gave you. You must make sure that they, too, receive or can code. If you link other code with the library, you must provide complete object files to the they can relink them with the library after making changes to the library and recompiling it. show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer which gives you legal permission to copy, distribute and/or modify the library. To protect each want to make it very clear that there is no warranty for the free library. Also, if the librar someone else and passed on, the recipients should know that what they have is not the original that the original author's reputation will not be affected by problems that might be introduce Finally, software patents pose a constant threat to the existence of any free program. We wish

that a company cannot effectively restrict the users of a free program by obtaining a restric patent holder. Therefore, we insist that any patent license obtained for a version of the lib consistent with the full freedom of use specified in this license. Most GNU software, includi: is covered by the ordinary GNU General Public License. This license, the GNU Lesser General P License, applies to certain designated libraries, and is quite different from the ordinary Ge License. We use this license for certain libraries in order to permit linking those libraries programs. When a program is linked with a library, whether statically or using a shared libra combination of the two is legally speaking a combined work, a derivative of the original libr. General Public License therefore permits such linking only if the entire combination fits its The Lesser General Public License permits more lax criteria for linking other code with the l this license the "Lesser" General Public License because it does Less to protect the user's f ordinary General Public License. It also provides other free software developers Less of an a competing non-free programs. These disadvantages are the reason we use the ordinary General P License for many libraries. However, the Lesser license provides advantages in certain specia circumstances. For example, on rare occasions, there may be a special need to encourage the w possible use of a certain library, so that it becomes a de-facto standard. To achieve this, n must be allowed to use the library. A more frequent case is that a free library does the same used non-free libraries. In this case, there is little to gain by limiting the free library to we use the Lesser General Public License. In other cases, permission to use a particular libr programs enables a greater number of people to use a large body of free software. For example to use the GNU C Library in non-free programs enables many more people to use the whole GNU of system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does user of a program that is linked with the Library has the freedom and the wherewithal to run using a modified version of the Library. The precise terms and conditions for copying, distri modification follow. Pay close attention to the difference between a "work based on the libra that uses the library". The former contains code derived from the library, whereas the latter combined with the library in order to run. GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder authorized party saying it may be distributed under the terms of this Lesser General Public L called "this License"). Each licensee is addressed as "you". A "library" means a collection o functions and/or data prepared so as to be conveniently linked with application programs (whi those functions and data) to form executables. The "Library", below, refers to any such softw. work which has been distributed under these terms. A "work based on the Library" means either or any derivative work under copyright law: that is to say, a work containing the Library or either verbatim or with modifications and/or translated straightforwardly into another langua translation is included without limitation in the term "modification".) "Source code" for a w preferred form of the work for making modifications to it. For a library, complete source cod source code for all modules it contains, plus any associated interface definition files, plus control compilation and installation of the library. Activities other than copying, distribut are not covered by this License; they are outside its scope. The act of running a program usi not restricted, and output from such a program is covered only if its contents constitute a w Library (independent of the use of the Library in a tool for writing it). Whether that is true Library does and what the program that uses the Library does. 1. You may copy and distribute copies of the Library's complete source code as you receive it, in any medium, provided that conspicuously and appropriately publish on each copy an appropriate copyright notice and disc warranty; keep intact all the notices that refer to this License and to the absence of any wa distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option (

protection in exchange for a fee. 2. You may modify your copy or copies of the Library or any thus forming a work based on the Library, and copy and distribute such modifications or work terms of Section 1 above, provided that you also meet all of these conditions: a) The modifie itself be a software library. b) You must cause the files modified to carry prominent notices changed the files and the date of any change. c) You must cause the whole of the work to be l charge to all third parties under the terms of this License. d) If a facility in the modified function or a table of data to be supplied by an application program that uses the facility, argument passed when the facility is invoked, then you must make a good faith effort to ensurevent an application does not supply such function or table, the facility still operates, and part of its purpose remains meaningful. (For example, a function in a library to compute squa purpose that is entirely well-defined independent of the application. Therefore, Subsection 2any application-supplied function or table used by this function must be optional: if the app supply it, the square root function must still compute square roots.) These requirements appl work as a whole. If identifiable sections of that work are not derived from the Library, and considered independent and separate works in themselves, then this License, and its terms, do those sections when you distribute them as separate works. But when you distribute the same s part of a whole which is a work based on the Library, the distribution of the whole must be of this License, whose permissions for other licensees extend to the entire whole, and thus to e part regardless of who wrote it. Thus, it is not the intent of this section to claim rights o work written entirely by you; rather, the intent is to exercise the right to control the dist collective works based on the Library. In addition, mere aggregation of another work not base with the Library (or with a work based on the Library) on a volume of a storage or distribution not bring the other work under the scope of this License. 3. You may opt to apply the terms o GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the or-Public License, version 2, instead of to this License. (If a newer version than version 2 of General Public License has appeared, then you can specify that version instead if you wish.) any other change in these notices. Once this change is made in a given copy, it is irreversib so the ordinary GNU General Public License applies to all subsequent copies and derivative wo from that copy. This option is useful when you wish to copy part of the code of the Library is is not a library. 4. You may copy and distribute the Library (or a portion or derivative of i object code or executable form under the terms of Sections 1 and 2 above provided that you ac with the complete corresponding machine-readable source code, which must be distributed under of Sections 1 and 2 above on a medium customarily used for software interchange. If distribut code is made by offering access to copy from a designated place, then offering equivalent acc source code from the same place satisfies the requirement to distribute the source code, even parties are not compelled to copy the source along with the object code. 5. A program that co derivative of any portion of the Library, but is designed to work with the Library by being c with it, is called a "work that uses the Library". Such a work, in isolation, is not a deriva Library, and therefore falls outside the scope of this License. However, linking a "work that with the Library creates an executable that is a derivative of the Library (because it contain Library), rather than a "work that uses the library". The executable is therefore covered by Section 6 states terms for distribution of such executables. When a "work that uses the Libra from a header file that is part of the Library, the object code for the work may be a derivat Library even though the source code is not. Whether this is true is especially significant if linked without the Library, or if the work is itself a library. The threshold for this to be defined by law. If such an object file uses only numerical parameters, data structure layouts and small macros and small inline functions (ten lines or less in length), then the use of the unrestricted, regardless of whether it is legally a derivative work. (Executables containing plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a de

you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linke the Library itself. 6. As an exception to the Sections above, you may also combine or link a the Library" with the Library to produce a work containing portions of the Library, and distr under terms of your choice, provided that the terms permit modification of the work for the c use and reverse engineering for debugging such modifications. You must give prominent notice copy of the work that the Library is used in it and that the Library and its use are covered must supply a copy of this License. If the work during execution displays copyright notices, the copyright notice for the Library among them, as well as a reference directing the user to License. Also, you must do one of these things: a) Accompany the work with the complete corre machine-readable source code for the Library including whatever changes were used in the work must be distributed under Sections 1 and 2 above); and, if the work is an executable linked w with the complete machine-readable "work that uses the Library", as object code and/or source the user can modify the Library and then relink to produce a modified executable containing t Library. (It is understood that the user who changes the contents of definitions files in the necessarily be able to recompile the application to use the modified definitions.) b) Use a s library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at the library already present on the user's computer system, rather than copying library function executable, and (2) will operate properly with a modified version of the library, if the user as the modified version is interface-compatible with the version that the work was made with. the work with a written offer, valid for at least three years, to give the same user the mate Subsection 6a, above, for a charge no more than the cost of performing this distribution. d) the work is made by offering access to copy from a designated place, offer equivalent access above specified materials from the same place. e) Verify that the user has already received a materials or that you have already sent this user a copy. For an executable, the required for that uses the Library" must include any data and utility programs needed for reproducing the it. However, as a special exception, the materials to be distributed need not include anythin distributed (in either source or binary form) with the major

components (compiler, kernel, and so on) of the operating system on which the executable runs component itself accompanies the executable. It may happen that this requirement contradicts restrictions of other proprietary libraries that do not normally accompany the operating syste contradiction means you cannot use both them and the Library together in an executable that y 7. You may place library facilities that are a work based on the Library side-by-side in a sin with other library facilities not covered by this License, and distribute such a combined lib the separate distribution of the work based on the Library and of the other library facilitie permitted, and provided that you do these two things: a) Accompany the combined library with same work based on the Library, uncombined with any other library facilities. This must be di the terms of the Sections above. b) Give prominent notice with the combined library of the fa is a work based on the Library, and explaining where to find the accompanying uncombined form work. 8. You may not copy, modify, sublicense, link with, or distribute the Library except as provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or Library is void, and will automatically terminate your rights under this License. However, pa received copies, or rights, from you under this License will not have their licenses terminate parties remain in full compliance. 9. You are not required to accept this License, since you However, nothing else grants you permission to modify or distribute the Library or its deriva actions are prohibited by law if you do not accept this License. Therefore, by modifying or d Library (or any work based on the Library), you indicate your acceptance of this License to d terms and conditions for copying, distributing or modifying the Library or works based on it. redistribute the Library (or any work based on the Library), the recipient automatically rece the original licensor to copy, distribute, link with or modify the Library subject to these to You may not impose any further restrictions on the recipients' exercise of the rights granted not responsible for enforcing compliance by third parties with this License. 11. If, as a con judgment or allegation of patent infringement or for any other reason (not limited to patent are imposed on you (whether by court order, agreement or otherwise) that contradict the condi License, they do not

excuse you from the conditions of this License. If you cannot distribute so as to satisfy sim obligations under this License and any other pertinent obligations, then as a consequence you distribute the Library at all. For example, if a patent license would not permit royalty-free Library by all those who receive copies directly or indirectly through you, then the only way both it and this License would be to refrain entirely from distribution of the Library. If an section is held invalid or unenforceable under any particular circumstance, the balance of the intended to apply, and the section as a whole is intended to apply in other circumstances. It purpose of this section to induce you to infringe any patents or other property right claims validity of any such claims; this section has the sole purpose of protecting the integrity of distribution system which is implemented by public license practices. Many people have made g contributions to the wide range of software distributed through that system in reliance on co. application of that system; it is up to the author/donor to decide if he or she is willing to through any other system and a licensee cannot impose that choice. This section is intended to thoroughly clear what is believed to be a consequence of the rest of this License. 12. If the use of the Library is restricted in certain countries either by patents or by copyrighted interview. copyright holder who places the Library under this License may add an explicit geographical d limitation excluding those countries, so that distribution is permitted only in or among coun excluded. In such case, this License incorporates the limitation as if written in the body of The Free Software Foundation may publish revised and/or new versions of the Lesser General Pui License from time to time. Such new versions will be similar in spirit to the present version detail to address new problems or concerns. Each version is given a distinguishing version num Library specifies a version number of this License which applies to it and "any later version option of following the terms and conditions either of that version or of any later version p Software Foundation. If the Library does not specify a license version number, you may choose ever published by the Free Software Foundation. 14. If you wish to incorporate parts of the L free programs whose distribution conditions are incompatible with these, write to the author permission. For software which is copyrighted by the Free Software Foundation, write to the F Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goa preserving the free status of all derivatives of our free software and of promoting the shari: and reuse of software generally. NO WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS How to Apply

These Terms to Your New Libraries If you develop a new library, and you want it to be of the possible use to the public, we recommend making it free software that everyone can redistribu You can do so by permitting redistribution under these terms (or, alternatively, under the te ordinary General Public License). To apply these terms, attach the following notices to the l to attach them to the start of each source file to most effectively convey the exclusion of w file should have at least the "copyright" line and a pointer to where the full notice is found the library's name and a brief idea of what it does. &qt; Copyright (C) <year&qt; <name library is free software; you can redistribute it and/or modify it under the terms of the GNU Public License as published by the Free Software Foundation; either version 2.1 of the License option) any later version. This library is distributed in the hope that it will be useful, bu WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received of the GNU Lesser General Public License along with this library; if not, write to the Free S Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Also add informa to contact you by electronic and paper mail. You should also get your employer (if you work a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if nece sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright interest in the libra for tweaking knobs) written by James Random Hacker. <signature of Ty Coon>, 1 April 199 President of Vice That's all there is to it! libsrtp

Project Homepage: https://github.com/cisco/libsrtp

/* * * Copyright (c) 2001-2017 Cisco Systems, Inc. * All rights reserved. * * Redistribution and binary forms, with or without * modification, are permitted provided that the following c met: * * Redistributions of source code must retain the above copyright * notice, this list o following disclaimer. * * Redistributions in binary form must reproduce the above * copyright conditions and the following * disclaimer in the documentation and/or other materials provide distribution. * * Neither the name of the Cisco Systems, Inc. nor the names of its * contribu to endorse or promote products derived * from this software without specific prior written pe SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE * COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, * INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED

* OF THE POSSIBILITY OF SUCH DAMAGE. * * / libudev

Project Homepage: http://www.freedesktop.org/wiki/Software/systemd/

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone to copy and distribute verbatim copies of this license document, but changing it is not allow first released version of the Lesser GPL. It also counts as the successor of the GNU Library version 2, hence the version number 2.1.] Preamble The licenses for most software are designe away your freedom to share and change it. By contrast, the GNU General Public Licenses are in guarantee your freedom to share and change free software--to make sure the software is free f This license, the Lesser General Public License, applies to some specially designated software typically libraries--of the Free Software Foundation and other authors who decide to use it. too, but we suggest you first think carefully about whether this license or the ordinary Gene is the better strategy to use in any particular case, based on the explanations below. When we software, we are referring to freedom of use, not price. Our General Public Licenses are desisure that you have the freedom to distribute copies of free software (and charge for this serthat you receive source code or can get it if you want it; that you can change the software a in new free programs; and that you are informed that you can do these things. To protect your need to make restrictions that forbid distributors to deny you these rights or to ask you to rights. These restrictions translate to certain responsibilities for you if you distribute cop you modify it. For example, if you distribute copies of the library, whether gratis or for a recipients all the rights that we gave you. You must make sure that they, too, receive or can code. If you link other code with the library, you must provide complete object files to the they can relink them

with the library after making changes to the library and recompiling it. And you must show the so they know their rights. We protect your rights with a two-step method: (1) we copyright the we offer you this license, which gives you legal permission to copy, distribute and/or modify protect each distributor, we want to make it very clear that there is no warranty for the free library is modified by someone else and passed on, the recipients should know that what they original version, so that the original author's reputation will not be affected by problems t introduced by others. Finally, software patents pose a constant threat to the existence of an We wish to make sure that a company cannot effectively restrict the users of a free program b restrictive license from a patent holder. Therefore, we insist that any patent license obtain the library must be consistent with the full freedom of use specified in this license. Most G including some libraries, is covered by the ordinary GNU General Public License. This license Lesser General Public License, applies to certain designated libraries, and is quite differen General Public License. We use this license for certain libraries in order to permit linking non-free programs. When a program is linked with a library, whether statically or using a sha combination of the two is legally speaking a combined work, a derivative of the original libr. General Public License therefore permits such linking only if the entire combination fits its The Lesser General Public License permits more lax criteria for linking other code with the l this license the "Lesser" General Public License because it does Less to protect the user's f ordinary General Public License. It also provides other free software developers Less of an a competing non-free programs. These disadvantages are the reason we use the ordinary General P License for many libraries. However, the Lesser license provides advantages in certain specia circumstances. For example, on rare occasions, there may be a special need to encourage the w possible use of a certain library, so that it becomes a de-facto standard. To achieve this, n must be allowed to use the library. A more frequent case is that a free library does the same used non-free libraries. In this case, there is little to gain by limiting the free library to we use the Lesser General Public License. In other cases, permission to use a particular libr programs enables a greater number of people to use a large body of free software. For example to use the GNU C Library in

non-free programs enables many more people to use the whole GNU operating system, as well as a the GNU/Linux operating system. Although the Lesser General Public License is Less protective freedom, it does ensure that the user of a program that is linked with the Library has the free wherewithal to run that program using a modified version of the Library. The precise terms and copying, distribution and modification follow. Pay close attention to the difference between a the library" and a "work that uses the library". The former contains code derived from the lib latter must be combined with the library in order to run. GNU LESSER GENERAL PUBLIC LICENSE TH AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software library or other program which contains a notice placed by the copyrid

other authorized party saying it may be distributed under the terms of this Lesser General Pul

(also called "this License"). Each licensee is addressed as "you". A "library" means a collec functions and/or data prepared so as to be conveniently linked with application programs (whi those functions and data) to form executables. The "Library", below, refers to any such softw. work which has been distributed under these terms. A "work based on the Library" means either or any derivative work under copyright law: that is to say, a work containing the Library or either verbatim or with modifications and/or translated straightforwardly into another langua translation is included without limitation in the term "modification".) "Source code" for a w preferred form of the work for making modifications to it. For a library, complete source cod source code for all modules it contains, plus any associated interface definition files, plus control compilation and installation of the library. Activities other than copying, distribut are not covered by this License; they are outside its scope. The act of running a program usi not restricted, and output from such a program is covered only if its contents constitute a w Library (independent of the use of the Library in a tool for writing it). Whether that is true Library does and what the program that uses the Library does. 1. You may copy and distribute copies of the Library's complete source code as you receive it, in any medium, provided that conspicuously and appropriately publish on each copy an appropriate copyright notice and disc warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library. You may charge a fee act of transferring a copy, and you may at your option offer warranty protection in exchange may modify your copy or copies of the Library or any portion of it, thus forming a work based and copy and distribute such modifications or work under the terms of Section 1 above, providalso meet all of these conditions: a) The modified work must itself be a software library. b) the files modified to carry prominent notices stating that you changed the files and the date You must cause the whole of the work to be licensed at no charge to all third parties under t License. d) If a facility in the modified Library refers to a function or a table of data to 2 application program that uses the facility, other than as an argument passed when the facilit you must make a good faith effort to ensure that, in the event an application does not supply table, the facility still operates, and performs whatever part of its purpose remains meaning a function in a library to compute square roots has a purpose that is entirely well-defined i. application. Therefore, Subsection 2d requires that any application-supplied function or table function must be optional: if the application does not supply it, the square root function mu square roots.) These requirements apply to the modified work as a whole. If identifiable sect are not derived from the Library, and can be reasonably considered independent and separate w themselves, then this License, and its terms, do not apply to those sections when you distrib separate works. But when you distribute the same sections as part of a whole which is a work Library, the distribution of the whole must be on the terms of this License, whose permission licensees extend to the entire whole, and thus to each and every part regardless of who wrote not the intent of this section to claim rights or contest your rights to work written entirel intent is to exercise the right to control the distribution of derivative or collective works In addition, mere aggregation of another work not based on the Library with the Library (or w on the Library) on a volume of a storage or distribution medium does not bring the other work scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this is given copy of the Library. To do this, you must alter all the notices that refer to this Licent to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version 2 of the ordinary GNU General Public License has appeared, then you can specify that winstead if you wish.) Do not make any other change in these notices. Once this change is made copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to copies and derivative works made from that copy. This option is useful when you wish to copy prove of the Library into a program that is not a library. 4. You may copy and distribute the the second secon

portion or derivative of it, under Section 2) in object code or executable form under the term and 2 above provided that you accompany it with the complete corresponding machine-readable s code, which must be distributed under the terms of Sections 1 and 2 above on a medium customa for software interchange. If distribution of object code is made by offering access to copy f place, then offering equivalent access to copy the source code from the same place satisfies to distribute the source code, even though third parties are not compelled to copy the source object code. 5. A program that contains no derivative of any portion of the Library, but is d with the Library by being compiled or linked with it, is called a "work that uses the Library isolation, is not a derivative work of the Library, and therefore falls outside the scope of However, linking a "work that uses the Library" with the Library creates an executable that i the Library (because it contains portions of the Library), rather than a "work that uses the executable is therefore covered by this License. Section 6 states terms for distribution of s When a "work that uses the Library" uses material from a header file that is part of the Libr code for the work may be a derivative work of the Library even though the source code is not. true is especially significant if the work can be linked without the Library, or if the work threshold for this to be true is not precisely defined by law. If such an object file uses on parameters, data structure layouts and accessors, and small macros and small inline functions less in length), then the use of the object file is unrestricted, regardless of whether it is work. (Executables containing this object code plus portions of the Library will still fall u Otherwise, if the work is a derivative of the Library, you may distribute the object code for terms of Section 6. Any executables containing that work also fall under Section 6, whether o linked directly with the Library itself. 6. As an exception to the Sections above, you may al a "work that uses the Library" with the Library to produce a work containing portions of the distribute that work under terms of your choice, provided that the terms permit modification customer's own use and reverse engineering for debugging such modifications. You must give pronotice with each copy of the work that the Library is used in it and that the Library and its this License. You must supply a copy of this License. If the work during execution displays c you must include the copyright notice for the Library among them, as well as a reference dire the copy of this License. Also, you must do one of these things: a) Accompany the work with t corresponding machine-readable source code for the Library including whatever changes were us work (which must be distributed under Sections 1 and 2 above); and, if the work is an executal the Library, with the complete machine-readable "work that uses the Library", as object code code, so that the user can modify the Library and then relink to produce a modified executable modified Library. (It is understood that the user who changes the contents of definitions filnot necessarily be able to recompile the application to use the modified definitions.) b) Use library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at the library already present on the user's computer system, rather than copying library function executable, and (2) will operate properly with a modified version of the library, if the user as the modified version is interface-compatible with the version that the work was made with. the work with a written offer, valid for at least three years, to give the same user the mate Subsection 6a, above, for a charge no more than the cost of performing this distribution. d) the work is made by offering access to copy from a designated place, offer equivalent access above specified materials from the same place. e) Verify that the user has already received a materials or that you have already sent this user a copy. For an executable, the required for that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be dist include anything that is normally distributed (in either source or binary form) with the majo (compiler, kernel, and so on) of the operating system on which the executable runs, unless the itself accompanies the executable. It may happen that this requirement contradicts the license other proprietary libraries that do not normally accompany the operating system. Such a contra

you cannot use both them and the Library together in an executable that you distribute. 7. Yo library facilities that are a work based on the Library side-by-side in a single library toge facilities not covered by this License, and distribute such a combined library, provided that distribution of the work based on the Library and of the other library facilities is otherwise provided that you do these two things: a) Accompany the combined library with a copy of the s based on the Library, uncombined with any other library facilities. This must be distributed the Sections above. b) Give prominent notice with the combined library of the fact that part based on the Library, and explaining where to find the accompanying uncombined form of the sa You may not copy, modify, sublicense, link with, or distribute the Library except as expressl this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the will automatically terminate your rights under this License. However, parties who have receive rights, from you under this License will not have their licenses terminated so long as such p. full compliance. 9. You are not required to accept this License, since you have not signed it nothing else grants you permission to modify or distribute the Library or its derivative work are prohibited by law if you do not accept this License. Therefore, by modifying or distribut any work based on the Library), you indicate your acceptance of this License to do so, and al conditions for copying, distributing or modifying the Library or works based on it. 10. Each redistribute the Library (or any work based on the Library), the recipient automatically rece the original licensor to copy, distribute, link with or modify the Library subject to these to You may not impose any further restrictions on the recipients' exercise of the rights granted not responsible for enforcing compliance by third parties with this License. 11. If, as a con judgment or allegation of patent

infringement or for any other reason (not limited to patent issues), conditions are imposed of court order, agreement or otherwise) that contradict the conditions of this License, they do from the conditions of this License. If you cannot distribute so as to satisfy simultaneously under this License and any other pertinent obligations, then as a consequence you may not dis Library at all. For example, if a patent license would not permit royalty-free redistribution those who receive copies directly or indirectly through you, then the only way you could sati this License would be to refrain entirely from distribution of the Library. If any portion of invalid or unenforceable under any particular circumstance, the balance of the section is interand the section as a whole is intended to apply in other circumstances. It is not the purpose induce you to infringe any patents or other property right claims or to contest validity of a section has the sole purpose of protecting the integrity of the free software distribution sy implemented by public license practices. Many people have made generous contributions to the of software distributed through that system in reliance on consistent application of that sys author/donor to decide if he or she is willing to distribute software through any other system cannot impose that choice. This section is intended to make thoroughly clear what is believed consequence of the rest of this License. 12. If the distribution and/or use of the Library is countries either by patents or by copyrighted interfaces, the original copyright holder who p under this License may add an explicit geographical distribution limitation excluding those c distribution is permitted only in or among countries not thus excluded. In such case, this Li the limitation as if written in the body of this License. 13. The Free Software Foundation ma and/or new versions of the Lesser General Public License from time to time. Such new versions similar in spirit to the present version, but may differ in detail to address new problems or version is given a distinguishing version number. If the Library specifies a version number o which applies to it and "any later version", you have the option of following the terms and c that version or of any later version published by the Free Software Foundation. If the Librar a license version number, you may choose any version ever published by the Free Software Found If you wish to incorporate parts of the Library into other free programs whose distribution c incompatible with these, write to the author to ask for permission. For software which is cop Free Software Foundation, write to the Free

Software Foundation; we sometimes make exceptions for this. Our decision will be quided by the of preserving the free status of all derivatives of our free software and of promoting the sh software generally. NO WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the possible use to the public, we recommend making it free software that everyone can redistribu You can do so by permitting redistribution under these terms (or, alternatively, under the te ordinary General Public License). To apply these terms, attach the following notices to the 1 to attach them to the start of each source file to most effectively convey the exclusion of w file should have at least the "copyright" line and a pointer to where the full notice is found the library's name and a brief idea of what it does.> Copyright (C) <year> <name library is free software; you can redistribute it and/or modify it under the terms of the GNU Public License as published by the Free Software Foundation; either version 2.1 of the License option) any later version. This library is distributed in the hope that it will be useful, bu WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this libra write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110 add information on how to contact you by electronic and paper mail. You should also get your of you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the lib Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright interest in (a library for tweaking knobs) written by James Random Hacker. <signature of Ty Coon>, Ty Coon, President of Vice That's all there is to it!

libusbx

Project Homepage: http://libusb.org

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone to copy and distribute verbatim copies of this license document, but changing it is not allow first released version of the Lesser GPL. It also counts as the successor of the GNU Library D version 2, hence the version number 2.1.] Preamble The licenses for most software are designed away your freedom to share and change it. By contrast, the GNU General Public Licenses are in guarantee your freedom to share and change free software--to make sure the software is free for This license, the Lesser General Public License, applies to some specially designated software typically libraries--of the Free Software Foundation and other authors who decide to use it. Y too, but we suggest you first think carefully about whether this license or the ordinary General is the better strategy to use in any particular case, based on the explanations below. When w software, we are referring to freedom of use, not price. Our General Public Licenses are desir sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that software and use pieces of it in new free programs; and that you are informed that you can do To protect your rights, we need to make restrictions that forbid distributors to deny you the you to surrender these rights. These restrictions translate to certain responsibilities for y copies of the library or if you modify it. For example, if you distribute copies of the libra a fee, you must give the recipients all the rights that we gave you. You must make sure that or can get the source code. If you link other code with the library, you must provide complete the recipients, so that they can relink them with the library after making changes to the lib recompiling it. And you must show them these terms so they know their rights. We protect your two-step method: (1) we copyright the library, and (2) we offer you this license, which gives permission to copy, distribute and/or modify the library. To protect each distributor, we wan clear that there is no warranty for the free library. Also, if the library is modified by som on, the recipients should know that what they have is not the original version, so that the o reputation will not be affected by problems that might be introduced by others. Finally, soft a constant threat to the existence of any free program. We wish to make sure that a company c effectively restrict the users of a free program by obtaining a restrictive license from a pa Therefore, we insist that any patent license obtained for a version of the library must be co. full freedom of use specified in this license. Most GNU software, including some libraries, i ordinary GNU General Public License. This license, the GNU Lesser General Public License, app certain designated libraries, and is quite different from the ordinary General Public License license for certain libraries in order to permit linking those libraries into non-free program is linked with a library, whether statically or using a shared library, the combination of the speaking a combined work, a derivative of the original library. The ordinary General Public L permits such linking only if the entire combination fits its criteria of freedom. The Lesser License permits more lax criteria for linking other code with the library. We call this licen General Public License because it does Less to protect the user's freedom than the ordinary G License. It also provides other free software developers Less of an advantage over competing : programs. These disadvantages

are the reason we use the ordinary General Public License for many libraries. However, the Le provides advantages in certain special circumstances. For example, on rare occasions, there m special need to encourage the widest possible use of a certain library, so that it becomes a standard. To achieve this, non-free programs must be allowed to use the library. A more frequ a free library does the same job as widely used non-free libraries. In this case, there is li the free library to free software only, so we use the Lesser General Public License. In other permission to use a particular library in non-free programs enables a greater number of people body of free software. For example, permission to use the GNU C Library in non-free programs many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux system. Although the Lesser General Public License is Less protective of the users' freedom, that the user of a program that is linked with the Library has the freedom and the wherewitha program using a modified version of the Library. The precise terms and conditions for copying and modification follow. Pay close attention to the difference between a "work based on the l "work that uses the library". The former contains code derived from the library, whereas the combined with the library in order to run. GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder authorized party saying it may be distributed under the terms of this Lesser General Public L called "this License"). Each licensee is addressed as "you". A "library" means a collection o functions and/or data prepared so as to be conveniently linked with application programs (whi those functions and data) to form executables. The "Library", below, refers to any such softw work which has been distributed under these terms. A "work based on the Library" means either or any derivative work under copyright law: that is to say, a work containing the Library or either verbatim or with modifications and/or translated straightforwardly into another languatranslation is included without limitation in the term "modification".) "Source code" for a w preferred form of the work for making modifications to it. For a library, complete source code source code for all modules it contains, plus any associated interface definition files, plus control compilation

and installation of the library. Activities other than copying, distribution and modification this License; they are outside its scope. The act of running a program using the Library is n output from such a program is covered only if its contents constitute a work based on the Lib (independent of the use of the Library in a tool for writing it). Whether that is true depend does and what the program that uses the Library does. 1. You may copy and distribute verbatim Library's complete source code as you receive it, in any medium, provided that you conspicuou appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty the notices that refer to this License and to the absence of any warranty; and distribute a c along with the Library. You may charge a fee for the physical act of transferring a copy, and option offer warranty protection in exchange for a fee. 2. You may modify your copy or copies or any portion of it, thus forming a work based on the Library, and copy and distribute such work under the terms of Section 1 above, provided that you also meet all of these conditions: work must itself be a software library. b) You must cause the files modified to carry promine. that you changed the files and the date of any change. c) You must cause the whole of the wor licensed at no charge to all third parties under the terms of this License. d) If a facility refers to a function or a table of data to be supplied by an application program that uses the than as an argument passed when the facility is invoked, then you must make a good faith effo that, in the event an application does not supply such function or table, the facility still whatever part of its purpose remains meaningful. (For example, a function in a library to com roots has a purpose that is entirely well-defined independent of the application. Therefore, requires that any application-supplied function or table used by this function must be option. application does not supply it, the square root function must still compute square roots.) The apply to the modified work as a whole. If identifiable sections of that work are not derived and can be reasonably considered independent and separate works in themselves, then this Lice terms, do not apply to those sections when you distribute them as separate works. But when yo distribute the same sections as part of a whole which is a work based on the Library, the dis whole must be on the terms of this License, whose permissions for other licensees extend to t whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent claim rights or contest your rights to work written entirely by you; rather, the intent is to control the distribution of derivative or collective works based on the Library. In addition, another work not based on the Library with the Library (or with a work based on the Library) storage or distribution medium does not bring the other work under the scope of this License. to apply the terms of the ordinary GNU General Public License instead of this License to a gi Library. To do this, you must alter all the notices that refer to this License, so that they GNU General Public License, version 2, instead of to this License. (If a newer version than v ordinary GNU General Public License has appeared, then you can specify that version instead i Do not make any other change in these notices. Once this change is made in a given copy, it i for that copy, so the ordinary GNU General Public License applies to all subsequent copies and works made from that copy. This option is useful when you wish to copy part of the code of the program that is not a library. 4. You may copy and distribute the Library (or a portion or de Section 2) in object code or executable form under the terms of Sections 1 and 2 above providaccompany it with the complete corresponding machine-readable source code, which must be distruunder the terms of Sections 1 and 2 above on a medium customarily used for software interchance distribution of object code is made by offering access to copy from a designated place, then equivalent access to copy the source code from the same place satisfies the requirement to disource code, even though third parties are not compelled to copy the source along with the obprogram that contains no derivative of any portion of the Library, but is designed to work wibeing compiled or linked with it, is called a "work that uses the Library". Such a work, in is derivative work of the Library, and therefore falls outside the scope of this License. However, that uses the Library" with the Library creates an executable that is a derivative of the Libcontains portions of the Library), rather than a "work that uses the library". The executable covered by this License.

Section 6 states terms for distribution of such executables. When a "work that uses the Libra from a header file that is part of the Library, the object code for the work may be a derivat Library even though the source code is not. Whether this is true is especially significant if linked without the Library, or if the work is itself a library. The threshold for this to be defined by law. If such an object file uses only numerical parameters, data structure layouts and small macros and small inline functions (ten lines or less in length), then the use of the unrestricted, regardless of whether it is legally a derivative work. (Executables containing plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a de you may distribute the object code for the work under the terms of Section 6. Any executables work also fall under Section 6, whether or not they are linked directly with the Library itse exception to the Sections above, you may also combine or link a "work that uses the Library" to produce a work containing portions of the Library, and distribute that work under terms of provided that the terms permit modification of the work for the customer's own use and reverse for debugging such modifications. You must give prominent notice with each copy of the work t is used in it and that the Library and its use are covered by this License. You must supply a License. If the work during execution displays copyright notices, you must include the copyright Library among them, as well as a reference directing the user to the copy of this License. Al one of these things: a) Accompany the work with the complete corresponding machine-readable s for the Library including whatever changes were used in the work (which must be distributed u 1 and 2 above); and, if the work is an executable linked with the Library, with the complete a "work that uses the Library", as object code and/or source code, so that the user can modify then relink to produce a modified executable containing the modified Library. (It is understo who changes the contents of definitions files in the Library will not necessarily be able to application to use the modified definitions.) b) Use a suitable shared library mechanism for Library. A suitable mechanism is one that (1) uses at run time a copy of the library already user's computer system, rather than copying library functions into the executable, and (2) wi properly with a modified version of the library, if the user installs one, as long as the mod interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same a specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution of the work is made by offering access to copy from a designated place, offer equate to copy the above specified materials from the same place. e) Verify that the user has already copy of these materials or that you have already sent this user a copy. For an executable, the of the "work that uses the Library" must include any data and utility programs needed for representations of the operating system on which the executable runs, unless that component itself acception of the operating system on which the executable runs, Such a contradiction means you

both them and the Library together in an executable that you distribute. 7. You may place lib are a work based on the Library side-by-side in a single library together with other library covered by this License, and distribute such a combined library, provided that the separate d work based on the Library and of the other library facilities is otherwise permitted, and prothese two things: a) Accompany the combined library with a copy of the same work based on the uncombined with any other library facilities. This must be distributed under the terms of the b) Give prominent notice with the combined library of the fact that part of it is a work base and explaining where to find the accompanying uncombined form of the same work. 8. You may no modify, sublicense, link with, or distribute the Library except as expressly provided under t attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, terminate your rights under this License. However, parties who have received copies, or right under this License will not have their licenses terminated so long as such parties remain in You are not required to accept this License, since you have not signed it. However, nothing e permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing work based on the Library), you indicate your acceptance of this License to do so, and all it conditions for copying, distributing or modifying the Library or works based on it. 10. Each redistribute the Library (or any work based on the Library), the recipient automatically rece the original licensor to copy, distribute, link with or modify the Library subject to these to You may not impose any further restrictions on the recipients' exercise of the rights granted not responsible for enforcing compliance by third parties with this License. 11. If, as a con judgment or allegation of patent infringement or for any other reason (not limited to patent are imposed on you (whether by court order, agreement or otherwise) that contradict the condi License, they do not excuse you from the conditions of this License. If you cannot distribute simultaneously your obligations under this License and any other pertinent obligations, then consequence you may not distribute the Library at all. For example, if a patent license would royalty-free redistribution of the Library by all those who receive copies directly or indire the only way you could satisfy both it and this License would be to refrain entirely from dis Library. If any portion of this section is held invalid or unenforceable under any particular balance of the section is intended to apply, and the section as a whole is intended to apply circumstances. It is not the purpose of this section to induce you to infringe any patents or right claims or to contest validity of any such claims; this section has the sole purpose of integrity of the free software distribution system which is implemented by public license prapeople have made generous contributions to the wide range of software distributed through tha reliance on consistent application of that system; it is up to the author/donor to decide if ? distribute software through any other system and a licensee cannot impose that choice. This s intended to make thoroughly clear what is believed to be a consequence of the rest of this Li distribution and/or use of the Library is restricted in certain countries either by patents o interfaces, the original copyright holder who places the Library under this License may add a geographical distribution limitation excluding those countries, so that distribution is permi among countries not thus excluded. In such case, this License incorporates the limitation as body of this License. 13. The Free Software Foundation may publish revised and/or new version Lesser General Public License from time to time.

Such new versions will be similar in spirit to the present version, but may differ in detail problems or concerns. Each version is given a distinguishing version number. If the Library spression number of this License which applies to it and "any later version", you have the optic terms and conditions either of that version or of any later version published by the Free Soff If the Library does not specify a license version number, you may choose any version ever published by the free Software Foundation. 14. If you wish to incorporate parts of the Library into other free distribution conditions are incompatible with these, write to the author to ask for permission

which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; make exceptions for this. Our decision will be quided by the two goals of preserving the free derivatives of our free software and of promoting the sharing and reuse of software generally WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the greatest possible use to recommend making it free software that everyone can redistribute and change. You can do so by redistribution under these terms (or, alternatively, under the terms of the ordinary General apply these terms, attach the following notices to the library. It is safest to attach them to source file to most effectively

convey the exclusion of warranty; and each file should have at least the "copyright" line and where the full notice is found. <one line to give the library's name and a brief idea of wh Copyright (C) <year> <name of author> This library is free software; you can redis modify it under the terms of the GNU Lesser General Public License as published by the Free So Foundation; either version 2.1 of the License, or (at your option) any later version. This lib the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public Lice with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fr 02110-1301 USA Also add information on how to contact you by electronic and paper mail. You so get your employer (if you work as a programmer) or your school, if any, to sign a "copyright of the library, if necessary. Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker. Ty Coon>, 1 April 1990 Ty Coon, President of Vice That's all there is to it!

libvpx

Project Homepage: http://www.webmproject.org

Copyright (c) 2010, The WebM Project authors. All rights reserved. Redistribution and use in binary forms, with or without modification, are permitted provided that the following condition Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the distribution. * Neither the name of Google, nor the WebM Project, nor the names of its contriused to endorse or promote products derived from this software without specific prior written THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. libxml

Project Homepage: http://xmlsoft.org

Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio f covered by a similar licence but with different Copyright notices) all the files are: Copyrig Daniel Veillard. All Rights Reserved. Permission is hereby granted, free of charge, to any pe copy of this software and associated documentation files (the "Software"), to deal in the Sof restriction, including without limitation the rights to use, copy, modify, merge, publish, di and/or sell copies of the Software, and to permit persons to whom the Software is fur- nished subject to the following conditions: The above copyright notice and this permission notice sh all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FIT- NESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

libxslt

Project Homepage: http://xmlsoft.org/XSLT Licence for libxslt except libexslt -----2002 Daniel Veillard. All Rights Reserved. Permission is hereby granted, free of charge, to a obtaining a copy of this software and associated documentation files (the "Software"), to dea without restriction, including without limitation the rights to use, copy, modify, merge, pub sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is do so, subject to the following conditions: The above copyright notice and this permission no included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FIT- NESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE DANIEL VEILLARD BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CON- NECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of Daniel Veillard sha used in advertising or otherwise to promote the sale, use or other deal- ings in this Softwar written authorization from him. ----------- Copyright (C) 2001-2002 Thoma and Daniel Veillard. All Rights Reserved. Permission is hereby granted, free of charge, to an obtaining a copy of this software and associated documentation files (the "Software"), to dea without restriction, including without limitation the rights to use, copy, modify, merge, pub sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is do so, subject to the following conditions: The above copyright notice and this permission no included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FIT- NESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES

OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CON- NECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of the authors shall not be used is advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him. -----

libyuv

Project Homepage: http://code.google.com/p/libyuv/

Copyright 2011 The LibYuv Project Authors. All rights reserved. Redistribution and use in sou forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di Neither the name of Google nor the names of its contributors may be used to endorse or promote derived from this software without specific prior written permission. THIS SOFTWARE IS PROVID THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

linux-syscall-support

Project Homepage: http://code.google.com/p/linux-syscall-support/

// Copyright 2015 The Chromium Authors. All rights reserved. // // Redistribution and use in forms, with or without // modification, are permitted provided that the following conditions Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer.

// * Redistributions in binary form must reproduce the above // copyright notice, this list o
following disclaimer // in the documentation and/or other materials provided with the // dist
the name of Google Inc. nor the names of its // contributors may be used to endorse or promot
derived from // this software without specific prior written permission. // // THIS SOFTWARE
BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT //
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.

Lottie Web

Project Homepage: https://github.com/airbnb/lottie-web The MIT License (MIT) Copyright (c) 2015 Bodymovin Permission is hereby granted, free of charperson obtaining a copy of this software and associated documentation files (the "Software"), Software without restriction, including without limitation the rights to use, copy, modify, mo distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the furnished to do so, subject to the following conditions: The above copyright notice and this y shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROV IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

(c) Epistemex 2014-2015 www.epistemex.com By Ken Fyrstenberg Contributions by leeoniya. Licen header required.

Copyright 2014 David Bau. Permission is hereby granted, free of charge, to any person obtaining this software and associated documentation files (the "Software"), to deal in the Software wi including without limitation the rights to use, copy, modify, merge, publish, distribute, sub copies of the Software, and to permit persons to whom the Software is furnished to do so, sub following conditions: The above copyright notice and this permission notice shall be included substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

BezierEasing - use bezier curve for transition easing function by Gaëtan Renaudeau 2014 - 201
License Credits: is based on Firefox's nsSMILKeySpline.cpp Usage: var spline = BezierEasing([
0.25, 1.0]) spline.get(x) => returns the easing value | x must be in [0, 1] range
LZMA SDK

Project Homepage: http://www.7-zip.org/sdk.html

LZMA SDK is placed in the public domain.

Material Design Icons

Project Homepage: https://github.com/google/material-design-icons

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit: means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sha beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity permissions granted by this License. "Source" form shall mean the preferred form for making me including but not limited to software source code, documentation source, and configuration fil form shall mean any form resulting from mechanical transformation or translation of a Source : but not limited to compiled object code, generated documentation, and conversions to other meet "Work" shall mean the work of authorship, whether in Source or Object form, made available un-License, as indicated by a copyright notice that is included in or attached to the work (an exin the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrigi individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purpose definition, "submitted"

means any form of electronic, verbal, or written communication sent to the Licensor or its rej including but not limited to communication on electronic mailing lists, source code control s tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discus improving the Work, but excluding communication that is conspicuously marked or otherwise des writing by the copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequent incorporated within the Work. 2. Grant of Copyright License. Subject to the terms and condition License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-char free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly displ. perform, sublicense, and distribute the Work and such Derivative Works in Source or Object fo Patent License. Subject to the terms and conditions of this License, each Contributor hereby perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer t such license applies only to those patent claims licensable by such Contributor that are nece by their Contribution(s) alone or by combination of their Contribution(s) with the Work to wh Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W. the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works distribute must include a readable copy of the attribution notices contained

within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative least one of the following places: within a NOTICE text file distributed as part of the Derivat the Source form or documentation, if provided along with the Derivative Works; or, within a diby the Derivative Works, if and wherever such third-party notices normally appear. The content NOTICE file are for informational purposes only and do not modify the License. You may add You attribution notices within Derivative Works that You distribute, alongside or as an addendum of text from the Work, provided that such additional attribution notices cannot be construed as a License. You may add Your own copyright statement to Your modifications and may provide addition different license terms and conditions for use, reproduction, or distribution of Your modification such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work complies with the conditions stated in this License. 5. Submission of Contributions. Unless You state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Wo may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or oth obligations and/or rights consistent with this License. However, in accepting such obligation only on Your own behalf and on Your sole responsibility, not on behalf of any other Contribut

You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred asserted against, such Contributor by reason of your accepting any such warranty or additiona OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclose replaced with your own identifying information. (Don't include the brackets!) The text should the appropriate comment syntax for the file format. We also recommend that a file or class nam description of purpose be included on the same "printed page" as the copyright notice for eas within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the Ap. Version 2.0 (the "License"); you may not use this file except in compliance with the License. a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applic agreed to in writing, software distributed under the License is distributed on an "AS IS" BAS WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the spec language governing permissions and limitations under the License.

mesa_headers

Project Homepage: http://www.mesa3d.org/ The Mesa header files use the following licenses.

The default Mesa license is as follows: Copyright (C) 1999-2007 Brian Paul All Rights Reserve is hereby granted, free of charge, to any person obtaining a

copy of this software and associated documentation files (the "Software"), to deal in the Sof restriction, including without limitation the rights to use, copy, modify, merge, publish, di and/or sell copies of the Software, and to permit persons to whom the Software is furnished to to the following conditions: The above copyright notice and this permission notice shall be is copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL BRIAN PAUL BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

GLES/glext.h, GLES/gl.h and GLES/glplatform.h use the following license: SGI FREE SOFTWARE LI B (Version 2.0, Sept. 18, 2008) Copyright (C) [dates of first publication] Silicon Graphics, Reserved. Permission is hereby granted, free of charge, to any person obtaining a copy of thi associated documentation files (the "Software"), to deal in the Software without restriction, limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or se Software, and to permit persons to whom the Software is furnished to do so, subject to the fo conditions: The above copyright notice including the dates of first publication and either th notice or a reference to http://oss.sgi.com/projects/FreeB/ shall be included in all copies o portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL SILICON GRAPHICS, INC. BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of Silicon Graphics, Inc. shall not be used in advertising or otherwise to p use or other dealings in this Software without prior written authorization from Silicon Graph Metrics Protos

Project Homepage: This is the canonical public repository

// Copyright 2015 The Chromium Authors. All rights reserved. // // Redistribution and use in forms, with or without // modification, are permitted provided that the following conditions Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may be or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. minigbm

Project Homepage: https://chromium.googlesource.com/chromiumos/platform/minigbm

// Copyright 2014 The Chromium OS Authors. All rights reserved. // // Redistribution and use binary forms, with or without // modification, are permitted provided that the following cond // * Redistributions of source code must retain the above copyright // notice, this list of c following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prov distribution. // * Neither the name of Google Inc. nor the names of its // contributors may b or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. modp base64 decoder

Project Homepage: https://github.com/client9/stringencoders

* MODP_B64 - High performance base64 encoder/decoder * Version 1.3 -- 17-Mar-2006 *

http://modp.com/release/base64 * * Copyright (c) 2005, 2006 Nick Galbreath -- nickg [at] modp rights reserved. * * Redistribution and use in source and binary forms, with or without * mod permitted provided that the following conditions are * met: * * Redistributions of source cod above copyright * notice, this list of conditions and the following disclaimer. * * Redistrib must reproduce the above copyright * notice, this list of conditions and the following discla documentation and/or other materials provided with the distribution. * * Neither the name of nor the names of its \ast contributors may be used to endorse or promote products derived from \ast without specific prior written permission. * * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR * A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT * OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE * OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Netscape Portable Runtime (NSPR)

Project Homepage: http://www.mozilla.org/projects/nspr/

/* ***** BEGIN LICENSE BLOCK ***** * Version: MPL 1.1/GPL 2.0/LGPL 2.1 * * The contents of th subject to the Mozilla Public License Version * 1.1 (the "License"); you may not use this filcompliance with * the License. You may obtain a copy of the License at * http://www.mozilla.o Software distributed under the License is distributed on an "AS IS" basis, * WITHOUT WARRANTY KIND, either express or implied. See the License * for the specific language governing rights under the * License. * * The Original Code is the Netscape Portable Runtime (NSPR). * * The I Developer of the Original Code is * Netscape Communications Corporation. * Portions created b Developer are Copyright (C) 1998-2000 * the Initial Developer. All Rights Reserved. * * Contr Alternatively, the contents of this file may be used under the terms of * either the GNU Gene License Version 2 or later (the "GPL"), or * the GNU Lesser General Public License Version 2. "LGPL"), * in which case the provisions of the GPL or the LGPL are applicable instead * of th you wish to allow use of your version of this file only * under the terms of either the GPL o to allow others to * use your version of this file under the terms of the MPL, indicate your deleting the provisions above and replace them with the notice * and other provisions require the LGPL. If you do not delete * the provisions above, a recipient may use your version of th terms of any one of the MPL, the GPL or the LGPL. * * ***** END LICENSE BLOCK ***** * / Netwide Assembler

Project Homepage: https://www.nasm.us/

NASM is now licensed under the 2-clause BSD license, also known as the simplified BSD license 1996-2010 the NASM Authors - All rights reserved. Redistribution and use in source and binary

without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of condition following disclaimer. * Redistributions in binary form must reproduce the above copyright not conditions and the following disclaimer in the documentation and/or other materials provided distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Network Security Services (NSS)

Project Homepage: http://www.mozilla.org/projects/security/pki/nss/

licences does not overlap, so no issues arise. Mozilla Public License Version 2.0

deletion from, or modification of the contents of Covered Software; or (b) any new file in Southat contains any Covered Software. 1.11. "Patent Claims" of a Contributor means any patent contributing without limitation, method, process, and apparatus claims, in any patent Licensable Contributor that would be infringed, but for the grant of the License, by the making, using, sale, having made, import, or transfer of either its Contributions or its Contributor Version

License" means either the GNU General Public License, Version 2.0, the GNU Lesser General Pub License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later version licenses. 1.13. "Source Code Form" means the form of the work preferred for making modification "You" (or "Your") means an individual or a legal entity exercising rights under this License. "You" includes any entity that controls, is controlled by, or is under common control with Yo this definition, "control" means (a) the power, direct or indirect, to cause the direction or entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) o shares or beneficial ownership of such entity. 2. License Grants and Conditions ------Grants Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license: intellectual property rights (other than patent or trademark) Licensable by such Contributor make available, modify, display, perform, distribute, and otherwise exploit its Contributions unmodified basis, with Modifications, or as part of a Larger Work; and (b) under Patent Claim Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer eit Contributions or its Contributor Version. 2.2. Effective Date The licenses granted in Section to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution. 2.3. Limitations on Grant Scope The licenses granted in this S only rights granted under this License. No additional rights or licenses will be implied from licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no pa granted by a Contributor: (a) for any code that a Contributor has removed from Covered Softwa infringements caused by: (i) Your and any other third party's modifications of Covered Softwa combination of its Contributions with other software (except as part of its Contributor Versi-Patent Claims infringed by Covered Software in the absence of its Contributions. This License any rights in the trademarks, service marks, or logos of any Contributor (except as may be ne comply with the notice requirements in Section 3.4). 2.4. Subsequent Licenses No Contributor additional grants as a result of Your choice to distribute the Covered Software under a subse this License (see Section 10.2) or under the terms of a Secondary License (if permitted under Section 3.3). 2.5. Representation Each Contributor represents that the Contributor believes i are its original creation(s) or it has sufficient rights to grant the rights to its Contribut License. 2.6. Fair Use This License is not intended to limit any rights You have under applic. doctrines of fair use, fair dealing, or other equivalents. 2.7. Conditions Sections 3.1, 3.2, conditions of the licenses granted in Section 2.1. 3. Responsibilities ------ 3. Form All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this Lic inform recipients that the Source Code Form of the Covered Software is governed by the terms License, and how they can obtain a copy of this License. You may not attempt to alter or rest recipients' rights in the Source Code Form. 3.2. Distribution of Executable Form If You distr Software in Executable Form then: (a) such Covered Software must also be made available in So Form, as described in Section 3.1, and You must inform recipients of the Executable Form how obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no the cost of distribution to the recipient; and (b) You may distribute such Executable Form un this License, or sublicense it under different terms, provided that the license for the Execu not attempt to limit or alter the recipients' rights in the Source Code Form under this Licen of a Larger Work You may create and distribute a Larger Work under terms of Your choice, prov also comply with the requirements of this License for the Covered Software. If the Larger Wor combination of Covered Software with a work governed by one or more Secondary Licenses, and t Covered Software is not Incompatible With Secondary Licenses, this License permits You to add distribute such Covered Software under the terms of such Secondary License(s), so that the re-

Larger Work may, at their option, further distribute the Covered Software under the terms of a License or such Secondary License(s). 3.4. Notices You may not remove or alter the substance of license notices (including copyright notices, patent notices, disclaimers of warranty, or limit

contained within the Source Code Form of the Covered Software, except that You may alter any notices to the extent required to remedy known factual inaccuracies. 3.5. Application of Addi may choose to offer, and to charge a fee for, warranty, support, indemnity or liability oblig more recipients of Covered Software. However, You may do so only on Your own behalf, and not of any Contributor. You must make it absolutely clear that any such warranty, support, indemn obligation is offered by You alone, and You hereby agree to indemnify every Contributor for a incurred by such Contributor as a result of warranty, support, indemnity or liability terms Yinclude additional disclaimers of warranty and limitations of liability specific to any juris 4. Inability to Comply Due to Statute or Regulation ----for You to comply with any of the terms of this License with respect to some or all of the Co due to statute, judicial order, or regulation then You must: (a) comply with the terms of thi maximum extent possible; and (b) describe the limitations and the code they affect. Such desc placed in a text file included with all distributions of the Covered Software under this Lice. extent prohibited by statute or regulation, such description must be sufficiently detailed fo ordinary skill to be able to understand it. 5. Termination ----- 5.1. The rights gra will terminate automatically if You fail to comply with any of its terms. However, if You bec then the rights granted under this License from a particular Contributor are reinstated (a) p and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoin Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 da have come back into compliance. Moreover, Your grants from a particular Contributor are reins ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means first time You have received notice of non-compliance with this License from such Contributor become compliant prior to 30 days after Your receipt of the notice. 5.2. If You initiate liti entity by asserting a patent infringement claim (excluding declaratory judgment actions, coun cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent granted to You by any and all Contributors for the Covered Software under Section 2.1 of this terminate. 5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user lic (excluding distributors and resellers) which have been validly granted by You or Your distrib License prior to termination shall survive termination.

* (not any Contributor) assume the cost of any necessary servicing, * * repair, or correction of warranty constitutes an * * essential part of this License. No use of any Covered Software under this License except under this disclaimer. * * *

to this License may be brought only in the courts of a jurisdiction where the defendant maint. place of business and such litigation shall be governed by laws of that jurisdiction, without conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring counter-claims. 9. Miscellaneous ----- This License represents the complete agreem the subject matter hereof. If any provision of this License is held to be unenforceable, such reformed only to the extent necessary to make it enforceable. Any law or regulation which prolanguage of a contract shall be construed against the drafter shall not be used to construe t against a Contributor. 10. Versions of the License ----------------------- 10.1. New Vers Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other t steward has the right to modify or publish new versions of this License. Each version will be distinguishing version number. 10.2. Effect of New Versions You may distribute the Covered So the terms of the version of the License under which You originally received the Covered Softw. the terms of any subsequent version published by the license steward. 10.3. Modified Versions software not governed by this License, and you want to create a new license for such software create and use a modified version of this License if you rename the license and remove any re name of the license steward (except to note that such modified license differs from this Lice Distributing Source Code Form that is Incompatible With Secondary Licenses If You choose to d Source Code Form that is Incompatible With Secondary Licenses under the terms of this version License, the notice described in Exhibit B of this License must be attached. Exhibit A - Sour License Notice ----- This Source Code Form is subject to Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obta http://mozilla.org/MPL/2.0/. If it is not possible or desirable to put the notice in a partic include the notice in a location (such as a LICENSE file in a relevant directory) where a rec likely to look for such a notice. You may add additional accurate notices of copyright owners "Incompatible With Secondary Licenses" Notice -----Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License nmoinvaz/minizip

Project Homepage: https://github.com/nmoinvaz/minizip

Condition of use and distribution are the same as zlib: This software is provided 'as-is', with or implied warranty. In no event will the authors be held liable for any damages arising from software. Permission is granted to anyone to use this software for any purpose, including commapplications, and to alter it and redistribute it freely, subject to the following restriction software must not be misrepresented; you must not claim that you wrote the original software. software in a product, an acknowledgement in the product documentation would be appreciated by required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented is notice may not be removed or altered from any source distributed accounted of the original software.

Project Homepage: http://cgit.freedesktop.org/~aplattner/nvidia-settings/

/* * Copyright (c) 2008 NVIDIA, Corporation * * Permission is hereby granted, free of charge, obtaining a copy * of this software and associated documentation files (the "Software"), to do Software without restriction, including without limitation the rights * to use, copy, modify, distribute, sublicense, and/or sell * copies of the Software, and to permit persons to whom to furnished to do so, subject to the following conditions: * * The above copyright notice and to notice (including the next * paragraph) shall be included in all copies or substantial portion * * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE * AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER * LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, * OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE * SOFTWARE. * / Oculus SDK for Windows Project Homepage: https://developer.oculus.com/downloads/package/oculus-sdk-for-windows/ Copyright (c) 2014-2017 Oculus VR, LLC. All rights reserved. One Euro Filter Project Homepage: http://cristal.univ-lille.fr/~casiez/leuro/ Copyright 2019 Inria Author: Nicolas Roussel (nicolas.roussel@inria.fr) BSD License https://opensource.org/licenses/BSD-3-Clause Redistribution and use in source and binary form without modification, are permitted provided that the following conditions are met: * Redistr code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of the copyright holders, nor those of its contributors may be used to endorse or promote derived from this software without specific prior written permission. THIS SOFTWARE IS PROVID THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Open Screen Protocol Library Project Homepage: https://chromium.googlesource.com/openscreen // Copyright 2018 The Chromium Authors. All rights reserved. // // Redistribution and use in forms, with or without // modification, are permitted provided that the following conditions Redistributions of source code must retain the above copyright // notice, this list of conditions and the following disclaimer. // * Redistributions in bina the above // copyright notice, this list of conditions and the following disclaimer // in the other materials provided with the // distribution. // * Neither the name of Google Inc. nor t contributors may be used to endorse or promote products derived from // this software without written permission. // // THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. OpenH264 Project Homepage: http://www.openh264.org/

Copyright (c) 2013, Cisco Systems All rights reserved. Redistribution and use in source and be with or without modification, are permitted provided that the following conditions are met: * source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

OpenVR SDK

Project Homepage: https://github.com/ValveSoftware/openvr

Copyright (c) 2015, Valve Corporation All rights reserved. Redistribution and use in source a with or without modification, are permitted provided that the following conditions are met: 1 source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of the copyright holder nor the names of its contributors may be used to endorse or prom derived from this software without specific prior written permission. THIS SOFTWARE IS PROVID THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

opus

Project Homepage: https://git.xiph.org/?p=opus.git

Copyright 2001-2011 Xiph.Org, Skype Limited, Octasic, Jean-Marc Valin, Timothy B. Terriberry, Gregory Maxwell, Mark Borgerding, Erik de Castro Lopo Redistribution and use in source and bin with or without modification, are permitted provided that the following conditions are met: source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit: following disclaimer in the documentation and/or other materials provided with the distribution name of Internet Society, IETF or IETF Trust, nor the

names of specific contributors, may be used to endorse or promote products derived from this s without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Opus is subject to the royaltyfree patent licenses which are specified at: Xiph.Org Foundation: https://datatracker.ietf.org Microsoft Corporation: https://datatracker.ietf.org/ipr/1914/ Broadcom Corporation: https://datatracker.ietf.org/ipr/1526/

OTS (OpenType Sanitizer)

Project Homepage: https://github.com/khaledhosny/ots.git

Copyright (c) 2009-2017 The OTS Authors. All rights reserved. Redistribution and use in source forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. * Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di Neither the name of Google Inc. nor the names of its contributors may be used to endorse or p products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT

OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Paul Hsieh's SuperFastHash

Project Homepage: http://www.azillionmonkeys.com/qed/hash.html

Paul Hsieh OLD BSD license Copyright (c) 2010, Paul Hsieh All rights reserved. Redistribution source and binary forms, with or without modification, are permitted provided that the follow met: * Redistributions of source code must retain the above copyright notice, this list of co. following disclaimer. * Redistributions in binary form must reproduce the above copyright not conditions and the following disclaimer in the documentation and/or other materials provided distribution. * Neither my name, Paul Hsieh, nor the names of any other contributors to the c be used to endorse or promote products derived from this software without specific prior writ THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Project Homepage: http://code.google.com/p/pdfium/

// Copyright 2014 PDFium Authors. All rights reserved. // // Redistribution and use in source with or without // modification, are permitted provided that the following conditions are // r // // * Redistributions of source code must retain the above copyright // notice, this list o following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may b or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED

PDFium

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Apache License Version 2.0, January 2004 https://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduct distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the c or entity authorized by the copyright owner that is granting the License. "Legal Entity" shal the acting entity and all other entities that control, are controlled by, or are under common entity. For the purposes of this definition, "control" means (i) the power, direct or indirec direction or management of such entity, whether by contract or otherwise, or (ii) ownership o (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" mean an individual or Legal Entity exercising permissions granted by this License. "Source" f the preferred form for making modifications, including but not limited to software source cod source, and configuration files. "Object" form shall mean any form resulting from mechanical or translation of a Source form, including but

not limited to compiled object code, generated documentation, and conversions to other media shall mean the work of authorship, whether in Source or Object form, made available under the indicated by a copyright notice that is included in or attached to the work (an example is pr Appendix below). "Derivative Works" shall mean any work, whether in Source or Object form, the on (or derived from) the Work and for which the editorial revisions, annotations, elaboration modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 2 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig individual or Legal Entity authorized to submit on behalf of the copyright owner. For the pur definition, "submitted" means any form of electronic, verbal, or written communication sent to its representatives, including but not limited to communication on electronic mailing lists, systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked o designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mea any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the term conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate

as of the date such litigation is filed. 4. Redistribution. You may reproduce and distribute or Derivative Works thereof in any medium, with or without modifications, and in Source or Ob provided that You meet the following conditions: (a) You must give any other recipients of the Derivative Works a copy of this License; and (b) You must cause any modified files to carry p notices stating that You changed the files; and (c) You must retain, in the Source form of an Works that You distribute, all copyright, patent, trademark, and attribution notices from the Work, excluding those notices that do not pertain to any part of the Derivative Works; and (d includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You include a readable copy of the attribution notices contained within such NOTICE file, excludi: that do not pertain to any part of the Derivative Works, in at least one of the following pla NOTICE text file distributed as part of the Derivative Works; within the Source form or docum provided along with the Derivative Works; or, within a display generated by the Derivative Wo wherever such third-party notices normally appear. The contents of the NOTICE file are for in purposes only and do not modify the License. You may add Your own attribution notices within Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, prov such additional attribution notices cannot be construed as modifying the License. You may add copyright statement to Your modifications and may provide additional or different license term conditions for use, reproduction, or distribution of Your modifications, or for any such Deri whole, provided Your use, reproduction, and distribution of the Work otherwise complies with stated in this License. 5. Submission of Contributions. Unless You explicitly state otherwise intentionally submitted for inclusion in the Work by You to the Licensor shall be under the t conditions of this License, without any additional terms or conditions. Notwithstanding the a herein shall supersede or modify the terms of any separate license agreement you may have exe Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission trade names, trademarks, service marks, or product names of the Licensor, except as required reasonable and customary use in describing the origin of the Work and reproducing the content NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licenso Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIE CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warrant conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistrib Work and assume any risks associated with Your exercise of permissions under this License. 8. Liability. In no event and under no legal theory, whether in tort (including negligence), con unless required by applicable law (such as deliberate and grossly negligent acts) or agreed t any Contributor be liable to You for damages, including any direct, indirect, special, incide consequential damages of any character arising as a result of this License or out of the use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer malfunction, or any and all other commercial damages or losses), even if such Contributor has of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redi or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of sup indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for incurred by, or claims asserted against, such Contributor by reason of your accepting any suc additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License t your work. To apply the Apache License to your work, attach the following boilerplate notice, enclosed by brackets "[]" replaced with your own identifying information. (Don't include the should be enclosed in the appropriate comment syntax for the file format. We also recommend t class name and description of purpose be included on the same "printed page" as the copyright easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] the Apache License, Version 2.0 (the "License"); you may not use this file except in complian License. You may obtain a copy of the License at https://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the Licen an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the Lice Perfetto

Project Homepage: https://android.googlesource.com/platform/external/perfetto/

Copyright (c) 2017, The Android Open Source Project Licensed under the Apache License, Version "License"); you may not use this file except in compliance with the License. Unless required is or agreed to in writing, software distributed under the License is distributed on an "AS IS" is WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the spec language governing permissions and limitations under the License. Apache License Version 2.0, 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduct

distribution as defined by Sections 1 through 9 of this document. "Licensor" shall mean the co or entity authorized by the copyright owner that is granting the License. "Legal Entity" shall the acting entity and all other entities that control, are controlled by, or are under common entity. For the purposes of this definition, "control" means (i) the power, direct or indirect direction or management of such entity, whether by contract or otherwise, or (ii) ownership of (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" mean an individual or Legal Entity exercising permissions granted by this License. "Source" for the preferred form for making modifications, including but not limited to software source code source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of including but not limited to compiled object code, generated documentation, and conversions to types. "Work" shall mean the work of authorship, whether in Source or Object form, made avail License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 3 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig individual or Legal Entity authorized to submit on behalf of the copyright owner. For the pur definition, "submitted" means any form of electronic, verbal, or written communication sent to its representatives, including but not limited to communication on electronic mailing lists, systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked o designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mea any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the term conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includit counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct

or contributory patent infringement, then any patent licenses granted to You under this Licen shall terminate as of the date such litigation is filed. 4. Redistribution. You may reproduce copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W. the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works distribute must include a readable copy of the attribution notices contained within such NOTIexcluding those notices that do not pertain to any part of the Derivative Works, in at least places: within a NOTICE text file distributed as part of the Derivative Works; within the Sou documentation, if provided along with the Derivative Works; or, within a display generated by Works, if and wherever such third-party notices normally appear. The contents of the NOTICE f informational purposes only and do not modify the License. You may add Your own attribution n Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the provided that such additional attribution notices cannot be construed as modifying the Licens Your own copyright statement to Your modifications and may provide additional or different li conditions for use, reproduction, or distribution of Your modifications, or for any such Deri whole, provided Your use, reproduction, and distribution of the Work otherwise complies with stated in this License. 5. Submission of Contributions. Unless You explicitly state otherwise intentionally submitted for inclusion in the Work by You to the Licensor shall be under the to conditions of this License, without any additional terms or conditions. Notwithstanding the a herein shall supersede or modify the terms of any separate license agreement you may have exe Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and

the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by applicable law writing, Licensor provides the Work (and each Contributor provides its Contributions) on an ". WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITM FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of u redistributing the Work and assume any risks associated with Your exercise of permissions und License. 8. Limitation of Liability. In no event and under no legal theory, whether in tort (negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted Contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS

PFFFT: a pretty fast FFT.

Project Homepage: https://bitbucket.org/jpommier/pfft/

Copyright (c) 2013 Julien Pommier (pommier@modartt.com) Based on original fortran 77 code f FFTPACKv4 from NETLIB, authored by Dr Paul Swarztrauber of NCAR, in 1985. As confirmed by the fftpack software curators, the following FFTPACKv5 license applies to FFTPACKv4 sources. My correleased under the same terms.

FFTPACK license: http://www.cisl.ucar.edu/css/software/fftpack5/ftpk.html Copyright (c) 2004 Corporation for Atmospheric Research ("UCAR"). All rights reserved. Developed by NCAR's Compu and Information Systems Laboratory, UCAR, www.cisl.ucar.edu. Redistribution and use of the So source and binary forms, with or without modification, is permitted provided that the following met: - Neither the names of NCAR's Computational and Information Systems Laboratory, the Univ Corporation for Atmospheric Research, nor the names of its sponsors or contributors may be us endorse or promote products derived from this Software without specific prior written permiss Redistributions of source code must retain the above copyright notices, this list of condition disclaimer below. - Redistributions in binary form must reproduce the above copyright notice, conditions, and the disclaimer below in the documentation and/or other materials provided wit distribution. THIS SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

PLY (Python Lex-Yacc)

Project Homepage: http://www.dabeaz.com/ply/ply-3.11.tar.gz

PLY (Python Lex-Yacc) Version 3.4 Copyright (C) 2001-2011, David M. Beazley (Dabeaz LLC) All reserved. Redistribution and use in source and binary forms, with or without modification, ar provided that the following conditions are met: * Redistributions of source code must retain copyright notice,

this list of conditions and the following disclaimer. * Redistributions in binary form must recopyright notice, this list of conditions and the following disclaimer in the documentation a materials provided with the distribution. * Neither the name of the David Beazley or Dabeaz L used to endorse or promote products derived from this software without specific prior written THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Polymer

Project Homepage: http://www.polymer-project.org

// Copyright (c) 2012 The Polymer Authors. All rights reserved. // // Redistribution and use a binary forms, with or without // modification, are permitted provided that the following conda // * Redistributions of source code must retain the above copyright // notice, this list of co following disclaimer. // * Redistributions in binary form must reproduce the above // copyright of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may be or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Private Join and Compute subset

Project Homepage: https://github.com/google/private-join-and-compute

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 3 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including

the original version of the Work and any modifications or additions to that Work or Derivative that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner of or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of the "submitted" means any form of electronic, verbal, or written communication sent to the Licensor representatives, including but not limited to communication on electronic mailing lists, source systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked of designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mean any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the terms conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, noncharge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or O Grant of Patent License. Subject to the terms and conditions of this License, each Contributor to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distri Derivative Works that You distribute must include a readable copy of the attribution notices such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Wone of the following places: within a NOTICE text file distributed as part of the Derivative Source form or documentation, if provided along with the Derivative Works; or, within a displ. the Derivative Works, if and wherever such third-party notices normally appear. The contents file are for informational purposes only and do not modify the License. You may add Your own notices within Derivative Works that You distribute, alongside or as an addendum to the NOTIC: the Work, provided that such additional attribution notices cannot be construed as modifying You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Y state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriatenof using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in the negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limi loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commerlosses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted of Contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" own identifying information. (Don't include the brackets!) The text should be enclosed in the comment syntax for the file format. We also recommend that a file or class name and description be included on the same "printed page" as the copyright notice for easier identification with archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Versim "License"); you may not use this file except in compliance with the License. You may obtain a License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or ag writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT W. OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Project Homepage: https://github.com/google/protobuf

Copyright 2008 Google Inc. All rights reserved. Redistribution and use in source and binary for without modification, are permitted provided that the following conditions are met: * Redistributions of source code must retain the above copyright notice, this list of co. following disclaimer. * Redistributions in binary form must reproduce the above copyright not conditions and the following disclaimer in the documentation and/or other materials provided distribution. * Neither the name of Google Inc. nor the names of its contributors may be used promote products derived from this software without specific prior written permission. THIS S PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Code generated by the Protocol Buffer compiler is owned by the owner owner and the second sec of the input file used when generating it. This code is not standalone and requires a support linked with it. This support library is itself covered by the above license. pyjson5

Project Homepage: https://github.com/dpranke/pyjson5

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or

otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (ii) ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity exercisin granted by this License. "Source" form shall mean the preferred form for making modifications, not limited to software source code, documentation source, and configuration files. "Object" : any form resulting from mechanical transformation or translation of a Source form, including b compiled object code, generated documentation, and conversions to other media types. "Work" sh

the work of authorship, whether in Source or Object form, made available under the License, a a copyright notice that is included in or attached to the work (an example is provided in the "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (o the Work and for which the editorial revisions, annotations, elaborations, or other modificat a whole, an original work of authorship. For the purposes of this License, Derivative Works s works that remain separable from, or merely link (or bind by name) to the interfaces of, the Derivative Works thereof. "Contribution" shall mean any work of authorship, including the original the Work and any modifications or additions to that Work or Derivative Works thereof, that is submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or authorized to submit on behalf of the copyright owner. For the purposes of this definition, " $% \left({{{\left[{{{\left[{{{\left[{{{c_{{}}}} \right]}}} \right]}}}} \right.} \right)$ any form of electronic, verbal, or written communication sent to the Licensor or its represen but not limited to communication on electronic mailing lists, source code control systems, an systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and Work, but excluding communication that is conspicuously marked or otherwise designated in wri copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual on behalf of whom a Contribution has been received by Licensor and subsequently incorporated Work. 2. Grant of Copyright License. Subject to the terms and conditions of this License, eac hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocal license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublic distribute the Work and such Derivative Works in Source or Object form. 3. Grant of Patent Li to the terms and conditions of this License, each Contributor hereby grants to You a perpetua worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this sect to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where applies only to those patent claims licensable by such Contributor that are necessarily infri. Contribution(s) alone or by combination of their Contribution(s) with the Work to which such was submitted. If You institute patent litigation against any entity (including a cross-claim lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes di contributory patent infringement, then any patent licenses granted to You under this License shall terminate as of the date such litigation is filed. 4. Redistribution. You may reproduce copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W. the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works distribute must include a readable copy of the attribution notices contained within such NOTIexcluding those notices that do not pertain to any part of the Derivative Works, in at least places: within a NOTICE text file distributed as part of the Derivative Works; within the Sou documentation, if provided along with the Derivative Works; or, within a display generated by Works, if and wherever such third-party notices normally appear. The contents of the NOTICE f informational purposes only and do not modify the License. You may add Your own attribution n Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the provided that such additional attribution notices cannot be construed as modifying the Licens Your own copyright statement to Your modifications and may provide additional or different li conditions for use, reproduction, or distribution of Your modifications, or for any such Deri whole, provided Your use, reproduction, and distribution of the Work otherwise complies with stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intent for inclusion in the Work by You to the Licensor shall be under the terms and conditions of th

without any additional terms or conditions. Notwithstanding the above, nothing herein shall s modify the terms of any separate license agreement you may have executed with Licensor regard Contributions. 6. Trademarks. This License does not grant permission to use the trade names, service marks, or product names of the Licensor, except as required for reasonable and custom describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaim Unless required by applicable law or agreed to in writing, Licensor provides the Work (and ea provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assum associated with Your exercise of permissions under this License. 8. Limitation of Liability. under no legal theory, whether in tort (including negligence), contract, or otherwise, unless applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall liable to You for damages, including any direct, indirect, special, incidental, or consequent character arising as a result of this License or out of the use or inability to use the Work limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or a commercial damages or losses), even if such Contributor has been advised of the possibility o damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or adliability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "{}" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the c for easier identification within third-party archives. Copyright {yyyy} {name of copyright ow. under the Apache License, Version 2.0 (the "License"); you may not use this file except in con

the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2 required by applicable law or agreed to in writing, software distributed under the License is "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License pywebsocket3

Project Homepage: https://github.com/GoogleChromeLabs/pywebsocket3/

Copyright 2020, Google Inc. All rights reserved. Redistribution and use in source and binary without modification, are permitted provided that the following conditions are met: * Redistr code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of Google Inc. nor the names of its contributors may be used to endorse or promote produce from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,

STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. QUICHE

Project Homepage: https://quiche.googlesource.com/quiche

// Copyright 2015 The Chromium Authors. All rights reserved. // // Redistribution and use in forms, with or without // modification, are permitted provided that the following conditions Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may be or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Quick Color Management System

Project Homepage: https://github.com/jrmuizel/qcms/tree/v4 qcms Copyright (C) 2009 Mozilla Corporation Copyright (C) 1998-2007 Marti Maria Permission is granted, free of charge, to any person obtaining a copy of this software and associated docume (the "Software"), to deal in the Software without restriction, including without limitation the modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to per whom the Software is furnished to do so, subject to the following conditions: The above copyra this permission notice shall be included in all copies or substantial portions of the Software THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. re2 - an efficient, principled regular expression library

Project Homepage: https://github.com/google/re2

// Copyright (c) 2009 The RE2 Authors. All rights reserved. // // Redistribution and use in so forms, with or without // modification, are permitted provided that the following conditions of Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials provides distribution. // * Neither the name of Google Inc. nor the names of its // contributors may bo or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;

LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Recurrent neural network for audio noise reduction Project Homepage: https://github.com/xiph/rnnoise Copyright (c) 2017, Mozilla Copyright (c) 2007-2017, Jean-Marc Valin Copyright (c) 2005-2017, Foundation Copyright (c) 2003-2004, Mark Borgerding Redistribution and use in source and binary forms, with or without modification, are permitte the following conditions are met: - Redistributions of source code must retain the above copy list of conditions and the following disclaimer. - Redistributions in binary form must reprod copyright notice, this list of conditions and the following disclaimer in the documentation a materials provided with the distribution. - Neither the name of the Xiph.Org Foundation nor t contributors may be used to endorse or promote products derived from this software without sp. written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Schema.org is a collaborative, community activity with amission to Project Homepage: http://schema.org/version/6.0/schema.jsonld Creative Commons Legal Code Attribution-ShareAlike 3.0 Unported CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE. License THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED. BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS. 1. Definitions a. "Adaptation" means a work based upon the Work, or upon the Work and other pre-existing works, translation, adaptation, derivative work, arrangement of music or other alterations of a lite or phonogram or performance and includes cinematographic adaptations or any other form in whi may be recast, transformed, or adapted including in any form recognizably derived from the or that a work that constitutes a Collection will not be considered an Adaptation for the purpos For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be conside Adaptation for the purpose of this License. b. "Collection" means a collection of literary or as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works o matter other than works listed in Section 1(f) below, which, by reason of the selection and a their contents, constitute intellectual creations, in which the Work is included in its entire

along with one or more other contributions, each constituting separate and independent works which together are assembled into a collective whole. A work that constitutes a Collection wi considered an Adaptation (as defined below) for the purposes of this License. c. "Creative Con Compatible License" means a license that is listed at https://creativecommons.org/compatiblel has been approved by Creative Commons as being essentially equivalent to this License, includ minimum, because that license: (i) contains terms that have the same purpose, meaning and eff License Elements of this License; and, (ii) explicitly permits the relicensing of adaptations available under that license under this License or a Creative Commons jurisdiction license wi License Elements as this License. d. "Distribute" means to make available to the public the o copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership Elements" means the following high-level license attributes as selected by Licensor and indic. of this License: Attribution, ShareAlike. f. "Licensor" means the individual, individuals, en offer(s) the Work under the terms of this License. g. "Original Author" means, in the case of artistic work, the individual, individuals, entity or entities who created the Work or if no be identified, the publisher; and in addition (i) in the case of a performance the actors, sin dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise p artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being legal entity who first fixes the sounds of a

performance or other sounds; and, (iii) in the case of broadcasts, the organization that tran broadcast. h. "Work" means the literary and/or artistic work offered under the terms of this without limitation any production in the literary, scientific and artistic domain, whatever m form of its expression including digital form, such as a book, pamphlet and other writing; a sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographi entertainment in dumb show; a musical composition with or without words; a cinematographic wo are assimilated works expressed by a process analogous to cinematography; a work of drawing, architecture, sculpture, engraving or lithography; a photographic work to which are assimilate expressed by a process analogous to photography; a work of applied art; an illustration, map, three-dimensional work relative to geography, topography, architecture or science; a performa broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable performed by a variety or circus performer to the extent it is not otherwise considered a lite work. i. "You" means an individual or entity exercising rights under this License who has not violated the terms of this License with respect to the Work, or who has received express perm Licensor to exercise rights under this License despite a previous violation. j. "Publicly Per perform public recitations of the Work and to communicate to the public those public recitation means or process, including by wire or wireless means or public digital performances; to make the public Works in such a way that members of the public may access these Works from a place place individually chosen by them; to perform the Work to the public by any means or process communication to the public of the performances of the Work, including by public digital performances broadcast and rebroadcast the Work by any means including signs, sounds or images. k. "Reprod means to make copies of the Work by any means including without limitation by sound or visual and the right of fixation and reproducing fixations of the Work, including storage of a prote or phonogram in digital form or other electronic medium. 2. Fair Dealing Rights. Nothing in t intended to reduce, limit, or restrict any uses free from copyright or rights arising from lin exceptions that are provided for in connection with the copyright protection under copyright applicable laws. 3. License Grant. Subject to the terms and conditions of this License, Licen You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable c to exercise the rights in the Work as stated below: a. to Reproduce the Work, to incorporate one or more Collections, and to Reproduce the Work as incorporated in the Collections; b. to Reproduce Adaptations provided that any such Adaptation,

including any translation in any medium, takes reasonable steps to clearly label, demarcate or

identify that changes were made to the original Work. For example, a translation could be mar original work was translated from English to Spanish," or a modification could indicate "The been modified."; c. to Distribute and Publicly Perform the Work including as incorporated in d. to Distribute and Publicly Perform Adaptations. e. For the avoidance of doubt: i. Non-waiv. License Schemes. In those jurisdictions in which the right to collect royalties through any s compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to co royalties for any exercise by You of the rights granted under this License; ii. Waivable Comp Schemes. In those jurisdictions in which the right to collect royalties through any statutory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royal exercise by You of the rights granted under this License; and, iii. Voluntary License Schemes waives the right to collect royalties, whether individually or, in the event that the Licenso collecting society that administers voluntary licensing schemes, via that society, from any e the rights granted under this License. The above rights may be exercised in all media and for now known or hereafter devised. The above rights include the right to make such modifications technically necessary to exercise the rights in other media and formats. Subject to Section 8 expressly granted by Licensor are hereby reserved. 4. Restrictions. The license granted in Se expressly made subject to and limited by the following restrictions: a. You may Distribute or the Work only under the terms of this License. You must include a copy of, or the Uniform Res (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You m impose any terms on the Work that restrict the terms of this License or the ability of the re to exercise the rights granted to that recipient under the terms of the License. You may not Work. You must keep intact all notices that refer to this License and to the disclaimer of wa copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform may not impose any effective technological measures on the Work that restrict the ability of \cdot Work from You to exercise the rights granted to that recipient under the terms of the License 4(a) applies to the Work as incorporated in a Collection, but this does not require the Colle the Work itself to be made subject to the terms of this License. If You create a Collection, any Licensor You must, to the extent practicable, remove from the Collection any credit as re-Section 4(c), as requested. If You create an Adaptation, upon notice from any Licensor You mu extent

practicable, remove from the Adaptation any credit as required by Section 4(c), as requested. Distribute or Publicly Perform an Adaptation only under the terms of: (i) this License; (ii) License with the same License Elements as this License; (iii) a Creative Commons jurisdiction this or a later license version) that contains the same License Elements as this License (e.g ShareAlike 3.0 US)); (iv) a Creative Commons Compatible License. If you license the Adaptation of the licenses mentioned in (iv), you must comply with the terms of that license. If you license under the terms of any of the licenses mentioned in (i), (ii) or (iii) (the "Applicable Licen with the terms of the Applicable License generally and the following provisions: (I) You must of, or the URI for, the Applicable License with every copy of each Adaptation You Distribute Perform; (II) You may not offer or impose any terms on the Adaptation that restrict the terms License or the ability of the recipient of the Adaptation to exercise the rights granted to t the terms of the Applicable License; (III) You must keep intact all notices that refer to the and to the disclaimer of warranties with every copy of the Work as included in the Adaptation or Publicly Perform; (IV) when You Distribute or Publicly Perform the Adaptation, You may not effective technological measures on the Adaptation that restrict the ability of a recipient o from You to exercise the rights granted to that recipient under the terms of the Applicable L Section 4(b) applies to the Adaptation as incorporated in a Collection, but this does not req apart from the Adaptation itself to be made subject to the terms of the Applicable License. c or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request ha pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonal medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if appl: supplied, and/or if the Original Author and/or Licensor designate another party or parties (e institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's of service or by other reasonable means, the name of such party or parties; (ii) the title of the (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be ass Work, unless such URI does not refer to the copyright notice or licensing information for the consistent with Ssection 3(b), in the case of an Adaptation, a credit identifying the use of a Adaptation (e.g., "French translation of the Work by Original Author," or "Screenplay based on by Original Author"). The credit required by this Section 4(c) may be implemented in any reason provided, however, that in the case of a Adaptation or Collection, at a minimum such credit we credit for all contributing authors of the Adaptation or Collection appears, then as part of a a manner at least as prominent as the credits for the other contributing authors. For the avory You may only use the credit required by this Section for the purpose of attribution in the man above and, by exercising

Your rights under this License, You may not implicitly or explicitly assert or imply any conn sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as ap You or Your use of the Work, without the separate, express prior written permission of the Or Licensor and/or Attribution Parties. d. Except as otherwise agreed in writing by the Licensor otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the W itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify o derogatory action in relation to the Work which would be prejudicial to the Original Author's reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise o in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a disto modification or other derogatory action prejudicial to the Original Author's honor and reputa will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the law, to enable You to reasonably exercise Your right under Section 3(b) of this License (righ Adaptations) but not otherwise. 5. Representations, Warranties and Disclaimer UNLESS OTHERWIS: MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTIBILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU. 6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 7. Termination a. This License and the rights granted hereunder will termina automatically upon any breach by You of the terms of this License. Individuals or entities wh Adaptations or Collections from You under this License, however, will not have their licenses provided such individuals or entities remain in full compliance with those licenses. Sections 8 will survive any termination of this License. b. Subject to the above terms and conditions, granted here is perpetual (for the duration of the applicable copyright in the Work). Notwith above, Licensor reserves the right to release the Work under different license terms or to st Work at any time; provided, however that any such election will not serve to withdraw this Li other license that has been, or is required to be, granted under the terms of this License), License will continue in full force and effect unless terminated as stated above. 8. Miscella You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recip the Work on the same terms and conditions as the license granted to You under this License. b You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license Work on the same terms and conditions as the license granted to You under this License. c. If of this License is invalid or unenforceable under applicable law, it shall not affect the val of the remainder of the terms of this License, and without further action by the parties to t provision shall be reformed to the minimum extent necessary to make such provision valid and d. No term or provision of this License shall be deemed waived and no breach consented to unly waiver or consent shall be in writing and signed by the party to be charged with such waiver This License constitutes the entire agreement between the parties with respect to the Work li There are no understandings, agreements or representations with respect to the Work not speci Licensor shall not be bound by any additional provisions that may appear in any communication This License may not be modified without the mutual written agreement of the Licensor and You granted under, and the subject matter referenced, in this License were drafted utilizing the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 2 Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonogra Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rive subject matter take effect in the relevant jurisdiction in which the License terms are sought according to the corresponding provisions of the implementation of those treaty provisions in national law. If the standard suite of rights granted under applicable copyright law includes not granted under this License, such additional rights are deemed to be included in the Licen is not intended to restrict the license of any rights under applicable law. Creative Commons Commons is not a party to this License, and makes no warranty whatsoever in connection with t Creative Commons will not be liable to You or any party on any legal theory for any damages wi including without limitation any general, special, incidental or consequential damages arisin this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expres itself as the Licensor hereunder, it shall have all rights and obligations of Licensor. Excep purpose of indicating to the public that the

Work is licensed under the CCPL, Creative Commons does not authorize the use by either party trademark "Creative Commons" or any related trademark or logo of Creative Commons without the written consent of Creative Commons. Any permitted use will be in compliance with Creative Comtons then-current trademark usage guidelines, as may be published on its website or otherwise made upon request from time to time. For the avoidance of doubt, this trademark restriction does not the License. Creative Commons may be contacted at https://creativecommons.org/. Shaderc

Project Homepage: https://github.com/google/shaderc

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below). "Derivative Works" shall mean any work, wheth-

or Object form, that is based on (or derived from) the Work and for which the editorial revis elaborations, or other modifications represent, as a whole, an original work of authorship. F this License, Derivative Works shall not include works that remain separable from, or merely name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co. mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the Work and such Derivative Works in S form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each C grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (ex this section) patent license to make, have made, use, offer to sell, sell, import, and otherw Work, where such license applies only to those patent claims licensable by such Contributor t necessarily infringed by their Contribution(s) alone or by combination of their Contribution(which such Contribution(s) was submitted. If You institute patent litigation against any enti cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporate constitutes direct or contributory patent infringement, then any patent licenses granted to Y License for that Work shall terminate as of the date such litigation is filed. 4. Redistribut reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with o modifications, and in Source or Object form, provided that You meet the following conditions: (a) You must give any other recipients of the Work or Derivative Works a copy of this License must cause any modified files to carry prominent notices stating that You changed the files; retain, in the Source form of any Derivative Works that You distribute, all copyright, patent attribution notices from the Source form of the Work, excluding those notices that do not per the Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distri Derivative Works that You distribute must include a readable copy of the attribution notices such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Wone of the following places: within a NOTICE text file distributed as part of the Derivative Source form or documentation, if provided along with the Derivative Works; or, within a displ. the Derivative Works, if and wherever such third-party notices normally appear. The contents file are for informational purposes only and do not modify the License. You may add Your own notices within Derivative Works that You distribute, alongside or as an addendum to the NOTIC the Work, provided that such additional attribution notices cannot be construed as modifying You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Y state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions

of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Wor any risks associated with Your exercise of permissions under this License. 8. Limitation of L event and under no legal theory, whether in tort (including negligence), contract, or otherwi required by applicable law (such as deliberate and grossly negligent acts) or agreed to in wr Contributor be liable to You for damages, including any direct, indirect, special, incidental damages of any character arising as a result of this License or out of the use or inability to (including but not limited to damages for loss of goodwill, work stoppage, computer failure o any and all other commercial damages or losses), even if such Contributor has been advised of possibility of such damages. 9. Accepting Warranty or Additional Liability. While redistribut Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of suppor indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for incurred by, or claims asserted against, such Contributor by reason of your accepting any suc additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, enclosed by brackets "[]" replaced with your own identifying information. (Don't include the should be enclosed in the appropriate comment syntax for the file format. We also recommend t class name and description of purpose be included on the same "printed page" as the copyright easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] the Apache License, Version 2.0 (the "License"); you may not use this file except in complian License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 U required by applicable law or agreed to in writing, software distributed under the License is "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License simplejson

Project Homepage: https://github.com/simplejson/simplejson

Copyright (c) 2006 Bob Ippolito Permission is hereby granted, free of charge, to any person of of this software and associated documentation files (the "Software"), to deal in the Software restriction, including without limitation the rights to use, copy, modify, merge, publish, di and/or sell copies of the Software, and to permit persons to whom the Software is furnished to to the following conditions: The above copyright notice and this permission notice shall be is copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

six

Project Homepage: https://bitbucket.org/gutworth/six/commits/tag/1.10.0 Copyright (c) 2010-2015 Benjamin Peterson Permission is hereby granted, free of charge, to an obtaining a copy of this software and associated documentation files (the "Software"), to dea without restriction, including without limitation the rights to use, copy, modify, merge, pub sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is so, subject to the following conditions: The above copyright notice and this permission notice included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Skia

Project Homepage: https://skia.org/

Copyright (c) 2011 Google Inc. All rights reserved. Redistribution and use in source and bina without modification, are permitted provided that the following conditions are met: * Redistr code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of the copyright holder nor the names of its contributors may be used to endorse or prom derived from this software without specific prior written permission. THIS SOFTWARE IS PROVID THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

SMHasher

Project Homepage: http://code.google.com/p/smhasher/

All MurmurHash source files are placed in the public domain. The license below applies to all SMHasher: Copyright (c) 2011 Google, Inc. Permission is hereby granted, free of charge, to an obtaining a copy of this software and associated documentation files (the "Software"), to dea without restriction, including without limitation the rights to use, copy, modify, merge, pub sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is so, subject to the following conditions: The above copyright notice and this permission notic included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Snappy: A fast compressor/decompressor

Project Homepage: http://google.github.io/snappy/

Copyright 2011, Google Inc. All rights reserved. Redistribution and use in source and binary without modification, are permitted provided that the following conditions are met: * Redistr code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution

name of Google Inc. nor the names of its contributors may be used to endorse or promote produ from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY TH COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. === Some of the benchmark data in testdata/ is licensed differently: - fireworks.jpeg is Copyrigh Gunderson, and is licensed under the Creative Commons Attribution 3.0 license (CC-BY-3.0). Se https://creativecommons.org/licenses/by/3.0/ for more information. - kppkn.gtb is taken from chess tablebase set, and

is licensed under the MIT License. See https://sites.google.com/site/gaviotachessengine/Home/d tablebases-1 for more information. - paper-100k.pdf is an excerpt (bytes 92160 to 194560) from "Combinatorial Modeling of Chromatin Features Quantitatively Predicts DNA Replication Timing " _Drosophila_" by Federico Comoglio and Renato Paro, which is licensed under the CC-BY license http://www.ploscompbiol.org/static/license for more ifnormation. - alice29.txt, asyoulik.txt, lcet10.txt are from Project Gutenberg. The first three have expired copyrights and are in the the latter does not have expired copyright, but is still in the public domain according to the (http://www.gutenberg.org/ebooks/53).

SPIR-V Headers

Project Homepage: https://github.com/KhronosGroup/SPIRV-Headers.git Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit: means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sha beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity permissions granted by this License. "Source" form shall mean the preferred form for making me including but not limited to software source code, documentation source, and configuration fil form shall mean any form resulting from mechanical transformation or translation of a Source = but

not limited to compiled object code, generated documentation, and conversions to other media is shall mean the work of authorship, whether in Source or Object form, made available under the indicated by a copyright notice that is included in or attached to the work (an example is pro-Appendix below). "Derivative Works" shall mean any work, whether in Source or Object form, the on (or derived from) the Work and for which the editorial revisions, annotations, elaborations modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind b interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of au including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrigh individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purp definition, "submitted" means any form of electronic, verbal, or written communication sent to its representatives, including but not limited to communication on electronic mailing lists, systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked o designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mea any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the term conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate

as of the date such litigation is filed. 4. Redistribution. You may reproduce and distribute or Derivative Works thereof in any medium, with or without modifications, and in Source or Ob provided that You meet the following conditions: (a) You must give any other recipients of the Derivative Works a copy of this License; and (b) You must cause any modified files to carry p notices stating that You changed the files; and (c) You must retain, in the Source form of an Works that You distribute, all copyright, patent, trademark, and attribution notices from the Work, excluding those notices that do not pertain to any part of the Derivative Works; and (d includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You include a readable copy of the attribution notices contained within such NOTICE file, excludi: that do not pertain to any part of the Derivative Works, in at least one of the following pla NOTICE text file distributed as part of the Derivative Works; within the Source form or docum provided along with the Derivative Works; or, within a display generated by the Derivative Wo wherever such third-party notices normally appear. The contents of the NOTICE file are for in purposes only and do not modify the License. You may add Your own attribution notices within Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, prov such additional attribution notices cannot be construed as modifying the License. You may add copyright statement to Your modifications and may provide additional or different license term conditions for use, reproduction, or distribution of Your modifications, or for any such Deri whole, provided Your use, reproduction, and distribution of the Work otherwise complies with stated in this License. 5. Submission of Contributions. Unless You explicitly state otherwise intentionally submitted for inclusion in the Work by You to the Licensor shall be under the t conditions of this License, without any additional terms or conditions. Notwithstanding the a herein shall supersede or modify the terms of any separate license agreement you may have exe Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission trade names, trademarks, service marks, or product names of the Licensor, except as required reasonable and customary use in describing the origin of the Work and reproducing the content NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licenson Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warrants conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistribuWork and assume any risks associated with Your exercise of permissions under this License. 8. Liability. In no event and under no legal theory, whether in tort (including negligence), con unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to any Contributor be liable to You for damages, including any direct, indirect, special, incide consequential damages of any character arising as a result of this License or out of the use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer malfunction, or any and all other commercial damages or losses), even if such Contributor has of the possibility of such damages. 9. Accepting Warranty or Additional Liability. While redi or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of sup indemnity, or other liability obligations and/or rights consistent with this License. However obligations, You may act only on Your own behalf and on Your sole responsibility, not on beha Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for incurred by, or claims asserted against, such Contributor by reason of your accepting any suc additional liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, enclosed by brackets "[]" replaced with your own identifying information. (Don't include the should be enclosed in the appropriate comment syntax for the file format. We also recommend t class name and description of purpose be included on the same "printed page" as the copyright easier identification within third-party archives. Copyright [yyyy] [name of copyright owner] the Apache License, Version 2.0 (the "License"); you may not use this file except in complian License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the Lic on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the License for the specific language governing permissions and limitations under the language governing permissions and limitations and limitations under the language governing permissions and limitations and l SPIR-V Tools

Project Homepage: https://github.com/KhronosGroup/SPIRV-Tools.git

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the

editorial revisions, annotations, elaborations, or other modifications represent, as a whole, authorship. For the purposes of this License, Derivative Works shall not include works that refrom, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works the "Contribution" shall mean any work of authorship, including the original version of the Work a modifications or additions to that Work or Derivative Works thereof, that is intentionally sub for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorize behalf of the copyright owner. For the purposes of this definition, "submitted" means any form

verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by the owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal 3 of whom a Contribution has been received by Licensor and subsequently incorporated within the Grant of Copyright License. Subject to the terms and conditions of this License, each Contrib grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable cop reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and d Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to mak offer to sell, sell, import, and otherwise transfer the Work, where such license applies only claims licensable by such Contributor that are necessarily infringed by their Contribution(s) combination of their Contribution(s) with the Work to which such Contribution(s) was submitte institute patent litigation against any entity (including a cross-claim or counterclaim in a the Work or a Contribution incorporated within the Work constitutes direct or contributory pa then any patent licenses granted to You under this License for that Work shall terminate as o litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work o thereof in any medium, with or without modifications, and in Source or Object form, provided the following conditions: (a) You must give any other recipients of the Work or Derivative Wo License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the You must retain, in the Source form of any Derivative Works that You distribute, all copyrigh trademark, and attribution notices from the Source form of the Work, excluding those notices pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text file distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriatenof using or redistributing the Work and assume any risks associated with Your exercise of per

this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including contract, or otherwise, unless required by applicable law (such as deliberate and grossly neg agreed to in writing, shall any Contributor be liable to You for damages, including any direc incidental, or consequential damages of any character arising as a result of this License or inability to use the Work (including but not limited to damages for loss of goodwill, work st failure or malfunction, or any and all other commercial damages or losses), even if such Cont advised of the possibility of such damages. 9. Accepting Warranty or Additional Liability. Wh the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptan warranty, indemnity, or other liability obligations and/or rights consistent with this License accepting such obligations, You may act only on Your own behalf and on Your sole responsibili behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Co. harmless for any liability incurred by, or claims asserted against, such Contributor by reaso accepting any such warranty or additional liability. END OF TERMS AND CONDITIONS APPENDIX: Ho apply the Apache License to your work. To apply the Apache License to your work, attach the f boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identify (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax f format. We also recommend that a file or class name and description of purpose be included on "printed page" as the copyright notice for easier identification within third-party archives. [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language permissions and limitations under the License.

SPIRV-Cross

Project Homepage: https://github.com/KhronosGroup/SPIRV-Cross

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 2 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. Fo this definition, "submitted" means any form of electronic, verbal, or written communication s Licensor or its representatives, including but not limited to communication on electronic mai code control systems, and issue tracking systems that are managed by, or on behalf of, the Li purpose of discussing and improving the Work, but excluding communication that is conspicuous otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received and subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W the Work includes a "NOTICE" text file as part of its

distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriatenof using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in to negligence), contract, or otherwise, unless required by applicable law (such as deliberate and negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, s direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages s goodwill, work stoppage, computer failure or malfunction, or any and all

other commercial damages or losses), even if such Contributor has been advised of the possibi damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or adliability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright [yyyy] [name of copyright owner] License Apache License, Version 2.0 (the "License"); you may not use this file except in compliance w You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless req applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. sqlite

Project Homepage: https://sqlite.org/

The author disclaims copyright to this source code. In place of a legal notice, here is a ble good and not evil. May you find forgiveness for yourself and forgive others. May you share for taking more than you give.

Strongtalk

Project Homepage: http://www.strongtalk.org/

Copyright (c) 1994-2006 Sun Microsystems Inc. All Rights Reserved. Redistribution and use in binary forms, with or without modification, are permitted provided that the following condition Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. - Redistribution in binary form must reproduce the above copyright notice, this 1 and the following disclaimer in the documentation and/or other materials provided with the di Neither the name of Sun Microsystems or the names of contributors may be used to endorse or p products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Sudden Motion Sensor library

Project Homepage: http://www.suitable.com/tools/smslib.html

SMSLib Sudden Motion Sensor Access Library Copyright (c) 2010 Suitable Systems All rights responsed by: Daniel Griscom Suitable Systems http://www.suitable.com Permission is hereby groof charge, to any person obtaining a copy of this software and associated documentation files "Software"), to deal with the Software without restriction, including without limitation the modify, merge, publish,

distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the furnished to do so, subject to the following conditions: - Redistributions of source code mus copyright notice, this list of conditions and the following disclaimers. - Redistributions in reproduce the above copyright notice, this list of conditions and the following disclaimers is documentation and/or other materials provided with the distribution. - Neither the names of S nor the names of its contributors may be used to endorse or promote products derived from thi without specific prior written permission. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE. For more information about SMSLib, see <http://www.suitable.com/tools/smslib.html> or contact Daniel Griscom Suitable Systems Street, Suite 204 Wakefield, MA 01880 (781) 665-0053 SwiftShader

Project Homepage: https://swiftshader.googlesource.com/SwiftShader

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all

other entities that control, are controlled by, or are under common control with that entity. this definition, "control" means (i) the power, direct or indirect, to cause the direction or entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of shares, or (iii) beneficial ownership of such entity. "You" (or "Your") shall mean an individ exercising permissions granted by this License. "Source" form shall mean the preferred form for modifications, including but not limited to software source code, documentation source, and c files. "Object" form shall mean any form resulting from mechanical transformation or translat form, including but not limited to compiled object code, generated documentation, and convers media types. "Work" shall mean the work of authorship, whether in Source or Object form, made under the License, as indicated by a copyright notice that is included in or attached to the is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source form, that is based on (or derived from) the Work and for which the editorial revisions, anno elaborations, or other modifications represent, as a whole, an original work of authorship. F this License, Derivative Works shall not include works that remain separable from, or merely name) to the interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean authorship, including the original version of the Work and any modifications or additions to Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Wo owner or by an individual or Legal Entity authorized to submit on behalf of the copyright own purposes of this definition, "submitted" means any form of electronic, verbal, or written com the Licensor or its representatives, including but not limited to communication on electronic source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co. mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the

Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to mak offer to sell, sell, import, and otherwise transfer the Work, where such license applies only claims licensable by such Contributor that are necessarily infringed by their Contribution(s) combination of their Contribution(s) with the Work to which such Contribution(s) was submitted institute patent litigation against any entity (including a cross-claim or counterclaim in a the Work or a Contribution incorporated within the Work constitutes direct or contributory pa then any patent licenses granted to You under this License for that Work shall terminate as o litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work o thereof in any medium, with or without modifications, and in Source or Object form, provided the following conditions: (a) You must give any other recipients of the Work or Derivative Wo License; and (b) You must cause any modified files to carry prominent notices stating that Yo files; and (c) You must retain, in the Source form of any Derivative Works that You distribute patent, trademark, and attribution notices from the Source form of the Work, excluding those not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co. modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or

for any such Derivative Works as a whole, provided Your use, reproduction, and distribution o otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate and negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dama losses), even if such Contributor has been advised of the possibility of such damages. 9. Accord or Additional Liability. While redistributing the Work or Derivative Works thereof, You may can charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License your work, attach the following

boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identify: (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for format. We also recommend that a file or class name and description of purpose be included on "printed page" as the copyright notice for easier identification within third-party archives. [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in a software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language of permissions and limitations under the License. tcmalloc

Project Homepage: http://gperftools.googlecode.com/

// Copyright (c) 2005, Google Inc. // All rights reserved. // // Redistribution and use in so forms, with or without // modification, are permitted provided that the following conditions Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may be or promote products derived from // this software without specific prior written permission. SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. test fonts

Project Homepage: https://pagure.io/lohit, http://www.nongnu.org/freebangfont/downloads.html#mu https://dejavu-fonts.github.io/Download.html

The SIL OPEN FONT LICENSE applies to the following files: Gelasio-Bold.ttf Gelasio-BoldItalic Italic.ttf Gelasio-Regular.ttf Lohit-Devanagari.ttf Lohit-Gurmukhi.ttf Lohit-Tamil.ttf Copyrid Fonts Project contributors <http://fedorahosted.org/lohit> This Font Software is license Open Font License, Version 1.1. This license is copied below, and is also available with a FA http://scripts.sil.org/OFL ------ SIL OP - 26 February 2007 ----- PREAMBLE The g License (OFL) are to stimulate worldwide development of collaborative font projects, to suppo creation efforts of academic and linguistic communities, and to provide a free and open frame fonts may be shared and improved in partnership with others. The OFL allows the licensed font studied, modified and redistributed freely as long as they are not sold by themselves. The for derivative works, can be bundled, embedded, redistributed and/or sold with any software provireserved names are not used by derivative works. The fonts and derivatives, however, cannot be under any other type of license. The requirement for fonts to remain under this license does document created using the fonts or their derivatives. DEFINITIONS "Font Software" refers to released by the Copyright Holder(s) under this license and clearly marked as such. This may is files, build scripts and documentation.

"Reserved Font Name" refers to any names specified as such after the copyright statement(s). Version" refers to the collection of Font Software components as distributed by the Copyright "Modified Version" refers to any derivative made by adding to, deleting, or substituting -- i. any of the components of the Original Version, by changing formats or by porting the Font Sof environment. "Author" refers to any designer, engineer, programmer, technical writer or other contributed to the Font Software. PERMISSION & amp; CONDITIONS Permission is hereby granted, f charge, to any person obtaining a copy of the Font Software, to use, study, copy, merge, emberedistribute, and sell modified and unmodified copies of the Font Software, subject to the fo 1) Neither the Font Software nor any of its individual components, in Original or Modified Ve sold by itself. 2) Original or Modified Versions of the Font Software may be bundled, redistr with any software, provided that each copy contains the above copyright notice and this licen be included either as stand-alone text files, human-readable headers or in the appropriate ma metadata fields within text or binary files as long as those fields can be easily viewed by t Modified Version of the Font Software may use the Reserved Font Name(s) unless explicit writte is granted by the corresponding Copyright Holder. This restriction only applies to the primar presented to the users. 4) The name(s) of the Copyright Holder(s) or the Author(s) of the Fon not be used to promote, endorse or advertise any Modified Version, except to acknowledge the contribution(s) of the Copyright Holder(s) and the Author(s) or with their explicit written p Font Software, modified or unmodified, in part or in whole, must be distributed entirely unde must not be distributed under any other license. The requirement for fonts to remain under th not apply to any document created using the Font Software. TERMINATION This license becomes n void if any of the above conditions are not met. DISCLAIMER THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF

MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE. ---------- The GPL v2 license applies to the following files GNU GENERAL PUBLIC LICENSE Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA Everyone is permitted and distribute verbatim copies of this license document, but changing it is not allowed. Prea licenses for most software are designed to take away your freedom to share and change it. By GNU General Public License is intended to guarantee your freedom to share and change free sof make sure the software is free for all its users. This General Public License applies to most Software Foundation's software and to any other program whose authors commit to using it. (So Free Software Foundation software is covered by the GNU Library General Public License instea apply it to your programs, too. When we speak of free software, we are referring to freedom, General Public Licenses are designed to make sure that you have the freedom to distribute cop software (and charge for this service if you wish), that you receive source code or can get if you can change the software or use pieces of it in new free programs; and that you know you can things. To protect your rights, we need to make restrictions that forbid anyone to deny you the ask you to surrender the rights. These restrictions translate to certain responsibilities for copies of the software, or if you modify it. For example, if you distribute copies of such a p gratis or for a fee, you must give the recipients all the rights that you have. You must make too, receive or can get the source code. And you must show them these terms so they know their protect your rights with two steps: (1) copyright the software, and (2) offer you this license legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understand no warranty for this free software. If the software is modified by someone else and passed on recipients to know that what they have is not the original, so that any problems introduced b reflect on the original authors' reputations. Finally, any free program is threatened constan patents. We wish to avoid the danger that redistributors of a free program will individually licenses, in effect making the program proprietary. To prevent this, we have made it clear th. must be licensed for everyone's free use or not licensed at all. The precise terms and condit distribution and modification follow. GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the General Public License. The "Program", below, refers to any such program or work, and a "work the Program" means either the Program or any derivative work under copyright law: that is to containing the Program or a portion of it, either verbatim or with modifications and/or trans language. (Hereinafter, translation is included without limitation in the term "modification" addressed as "you". Activities other than copying, distribution and modification are not cove License; they are outside its scope. The act of running the Program is not restricted, and the Program is covered only if its contents constitute a work based on the Program (independent o made by running the Program). Whether that is true depends on what the Program does. 1. You m and distribute verbatim copies of the Program's source code as you receive it, in any medium, you conspicuously and appropriately publish on each copy an appropriate copyright notice and warranty; keep intact all the notices that refer to this License and to the absence of any wa any other recipients of the Program a copy of this License along with the Program. You may ch. the physical act of transferring a copy, and you may at your option offer warranty protection fee. 2. You may modify your copy or copies of the Program or any portion of it, thus forming the Program, and copy and distribute such modifications or work under the terms of Section 1 . provided that you also meet all of these conditions: a) You must cause the modified files to notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains of the Program or any part thereof, to be licensed as a whole at no charge to all third parties of this License. c) If the modified program normally reads commands interactively when run, you re when started running for such interactive use in the most ordinary way, to print or display and including an appropriate copyright notice and a notice that there is no warranty (or else, say provide a warranty) and that users may redistribute the program under these conditions, and to how to view a copy of this License. (Exception: if the Program itself is interactive but does such an announcement, your work based on the Program is not required to print an announcement requirements apply to the modified work as a whole. If identifiable sections of that work are the Program, and can be reasonably considered independent and separate works in themselves, the License, and its terms, do not apply to those sections when you distribute them as separate work you distribute the same sections as part of a whole which is a work based on the Program, the the whole must be on the terms of this License, whose permissions for other licensees extend the whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent claim rights or contest your rights to work written entirely by you; rather, the intent is to control the distribution of derivative or collective works based on the Program. In addition, of another work not based on the Program with the Program (or with a work based on the Program volume of a storage or distribution medium does not bring the other work under the scope of th You may copy and distribute the Program (or a work based on it, under Section 2) in object cod executable form under the terms of Sections 1 and 2 above provided that you also do one of the Accompany it with the complete corresponding machine-readable source code, which must be dist: under the terms of Sections 1 and 2 above on a medium customarily used for software interchand Accompany it with a written offer, valid for at least three years, to give any third party, for than your cost of physically performing source distribution, a complete machine-readable copy corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a me customarily used for software interchange; or, c) Accompany it with the information you receive offer to distribute corresponding source code. (This alternative is allowed only for noncommes and only if you

received the program in object code or executable form with such an offer, in accord with Sub above.) The source code for a work means the preferred form of the work for making modification an executable work, complete source code means all the source code for all modules it contain associated interface definition files, plus the scripts used to control compilation and insta executable. However, as a special exception, the source code distributed need not include any normally distributed (in either source or binary form) with the major components (compiler, kof the operating system on which the executable runs, unless that component itself accompanie executable. If distribution of executable or object code is made by offering access to copy f place, then offering equivalent access to copy the source code from the same place counts as the source code, even though third parties are not compelled to copy the source along with the 4. You may not copy, modify, sublicense, or distribute the Program except as expressly provid-License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, automatically terminate your rights under this License. However, parties who have received co from you under this License will not have their licenses terminated so long as such parties re compliance. 5. You are not required to accept this License, since you have not signed it. How else grants you permission to modify or distribute the Program or its derivative works. These prohibited by law if you do not accept this License. Therefore, by modifying or distributing any work based on the Program), you indicate your acceptance of this License to do so, and al conditions for copying, distributing or modifying the Program or works based on it. 6. Each t redistribute the Program (or any work based on the Program), the recipient automatically rece from the original licensor to copy, distribute or modify the Program subject to these terms a may not impose any further restrictions on the recipients' exercise of the rights granted here responsible for enforcing compliance by third parties to this License. 7. If, as a consequence judgment or allegation of patent infringement or for any other reason (not limited to patent are imposed on you (whether by court order, agreement or otherwise) that contradict the condi License, they do not excuse you from the conditions of this License. If you cannot distribute simultaneously your obligations under this License and any other pertinent obligations, then consequence you may not distribute the Program at all. For example, if a patent license would royalty-free redistribution of the Program by all those who receive copies directly or indire then

the only way you could satisfy both it and this License would be to refrain entirely from dist Program. If any portion of this section is held invalid or unenforceable under any particular balance of the section is intended to apply and the section as a whole is intended to apply in circumstances. It is not the purpose of this section to induce you to infringe any patents or right claims or to contest validity of any such claims; this section has the sole purpose of p integrity of the free software distribution system, which is implemented by public license propeople have made generous contributions to the wide range of software distributed through tha reliance on consistent application of that system; it is up to the author/donor to decide if distribute software through any other system and a licensee cannot impose that choice. This s intended to make thoroughly clear what is believed to be a consequence of the rest of this Li distribution and/or use of the Program is restricted in certain countries either by patents o interfaces, the original copyright holder who places the Program under this License may add a geographical distribution limitation excluding those countries, so that distribution is permi among countries not thus excluded. In such case, this License incorporates the limitation as body of this License. 9. The Free Software Foundation may publish revised and/or new versions General Public License from time to time. Such new versions will be similar in spirit to the but may differ in detail to address new problems or concerns. Each version is given a disting number. If the Program specifies a version number of this License which applies to it and "an you have the option of following the terms and conditions either of that version or of any la published by the Free Software Foundation. If the Program does not specify a version number o License, you may choose any version ever published by the Free Software Foundation. 10. If yo incorporate parts of the Program into other free programs whose distribution conditions are d the author to ask for permission. For software which is copyrighted by the Free Software Found the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guid two goals of preserving the free status of all derivatives of our free software and of promot reuse of software generally. NO WARRANTY 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN

OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Programs If you develop a new program, and yo want it to be of the greatest possible use to the public, the best way to achieve this is to a which everyone can redistribute and change under these terms. To do so, attach the following program. It is safest to attach them to the start of each source file to most effectively con warranty; and each file should have at least the "copyright" line and a pointer to where the <one line to give the program's name and a brief idea of what it does.> Copyright (C) 1 author> This program is free software; you can redistribute it and/or modify it under the General Public License as published by the Free Software Foundation; either version 2 of the your option) any later version. This program is distributed in the hope that it will be usefu ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have rece a copy of the GNU General Public License along with this program; if not, write to the Free S Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA Also add information contact you by electronic and paper mail. If the program is interactive, make it output a sho

when it starts in an interactive mode: Gnomovision version 69, Copyright (C) 19yy name of aut Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free softwa and you are welcome to redistribute it under certain conditions; type `show c' for details. T commands `show w' and `show c' should show the appropriate parts of the General Public Licens course, the commands you use may be called something other than `show w' and `show c'; they c be mouse-clicks or menu items--whatever suits your program. You should also get your employer work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaims all copyright interest in `Gnomovision' (which makes passes at compilers) written by James Hacker. <signature of Ty April 1989 Ty Coon, President of Vice This General Public License does not permit incorporati. program into proprietary programs. If your program is a subroutine library, you may consider permit linking proprietary applications with the library. If this is what you want to do, use General Public License instead of this License. -----The Vera Bitstream License applies to the following files: DejaVuSans-Bold.ttf DejaVuSans.ttf Bitstream (see below). DejaVu changes are in public domain. Glyphs imported from Arev fonts a Tavmjong Bah (see below) Bitstream Vera Fonts Copyright ----- Copyright ------Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc. Permiss granted, free of charge, to any person obtaining a copy of the fonts accompanying this licens associated documentation files (the "Font Software"), to reproduce and distribute the Font So including without limitation the rights to use, copy, merge, publish, distribute, and/or sell Software, and to permit persons to whom the Font Software is furnished to do so, subject to t conditions: The above copyright and trademark notices and this permission notice shall be inc copies of one or more of the Font Software typefaces. The Font Software may be modified, alte to, and in particular the designs of glyphs or characters in the Fonts may be modified and ad characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera". This Lic null and void to the extent applicable to Fonts or Font Software that has been modified and i under the "Bitstream Vera" names. The Font Software may be sold as part of a larger software no copy of one or more of the Font Software typefaces may be sold by itself. THE FONT SOFTWAR PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE. Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote or other dealings in this Font Software without prior written authorization from the Gnome Fo Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org. Arev ----- Copyright (c) 2006 by Tavmjong Bah. All Rights Reserved. Permission granted, free of charge, to any person obtaining a copy of the fonts accompanying this licens associated documentation files (the "Font Software"), to reproduce and distribute the modific. Bitstream Vera Font Software, including without limitation the rights to use, copy, merge, put and/or sell copies of the Font Software, and to permit persons to whom the Font Software is f so, subject to the following conditions: The above copyright and trademark notices and this p shall be included in all copies of one or more of the Font Software typefaces. The Font Softw. modified, altered, or added to, and in particular the designs of glyphs or characters in the modified and additional glyphs or characters may be added to the Fonts, only if the fonts are names not containing either the words "Tavmjong Bah" or the word "Arev". This License becomes void to the extent applicable to Fonts or Font Software that has been modified and is distribu "Tavmjong Bah Arev" names.

The Font Software may be sold as part of a larger software package but no copy of one or more Software typefaces may be sold by itself. THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL TAVMJONG BAH BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE. Except as contained in this notice, the name of Tavmjong Bah shall not be used in advertising or otherw the sale, use or other dealings in this Font Software without prior written authorization from For further information, contact: tavmjong @ free . fr. TeX Gyre DJV Math ------ F Bitstream (see below). DejaVu changes are in public domain. Math extensions done by B. Jackow Strzelczyk and P. Pianowski (on behalf of TeX users groups) are in public domain. Letters imp Euler Fraktur from AMSfonts are (c) American Mathematical Society (see below). Bitstream Vera Copyright Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trad-Bitstream, Inc. Permission is hereby granted, free of charge, to any person obtaining a copy accompanying this license ("Fonts") and associated documentation files (the "Font Software"), and distribute the Font Software, including without limitation the rights to use, copy, merge distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font S furnished to do so, subject to the following conditions: The above copyright and trademark no permission notice shall be included in all copies of one or more of the Font Software typefac Software may be modified, altered, or added to, and in particular the designs of glyphs or ch. Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if renamed to names not containing either the words "Bitstream" or the word "Vera". This License and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names. The Software may be sold as part of a larger software package but no copy of one or more of the F. typefaces may be sold by itself. THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF

MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE. Except as contained in this notice, the names of GNOME, the GNOME Foundation, and Bitstream Inc., shall used in advertising or otherwise to promote the sale, use or other dealings in this Font Soft written authorization from the GNOME Foundation or Bitstream Inc., respectively. For further contact: fonts at gnome dot org. AMSFonts (v. 2.2) copyright The PostScript Type 1 implementa AMSFonts produced by and previously distributed by Blue Sky Research and Y&Y, Inc. are no available for general use. This has been accomplished through the cooperation of a consortium publishers with Blue Sky Research and Y&Y. Members of this consortium include: Elsevier S Corporation Society for Industrial and Applied Mathematics (SIAM) Springer-Verlag American Ma Society (AMS) In order to assure the authenticity of these fonts, copyright will be held by t Mathematical Society. This is not meant to restrict in any way the legitimate use of the font limited to) electronic distribution of documents containing these fonts, inclusion of these for public domain or commercial font collections or computer applications, use of the outline dat. derivative fonts and/or faces, etc. However, the AMS does require that the AMS copyright notifrom any derivative versions of the fonts which have been altered in any way. In addition, to fidelity of TeX documents using Computer Modern fonts, Professor Donald Knuth, creator of the Modern faces, has requested that any alterations which yield different font metrics be given \$Id\$ ------ The SIL applies to the following files:

NotoSansKhmer-Regular.ttf This Font Software is licensed under the SIL Open Font License, Ver This license is copied below, and is also available with a FAQ at: http://scripts.sil.org/OFL ----- SIL OPEN FONT LICENSE Version 1.1 - 26 February 2007 ---------- PREAMBLE The goals of the Open Font License (OFL) are to stimul development of collaborative font projects, to support the font creation efforts of academic communities, and to provide a free and open framework in which fonts may be shared and improve partnership with others. The OFL allows the licensed fonts to be used, studied, modified and freely as long as they are not sold by themselves. The fonts, including any derivative works, embedded, redistributed and/or sold with any software provided that any reserved names are no derivative works. The fonts and derivatives, however, cannot be released under any other type The requirement for fonts to remain under this license does not apply to any document created fonts or their derivatives. DEFINITIONS "Font Software" refers to the set of files released b Holder(s) under this license and clearly marked as such. This may include source files, build documentation. "Reserved Font Name" refers to any names specified as such after the copyright statement(s). "Original Version" refers to the collection of Font Software components as dist Copyright Holder(s). "Modified Version" refers to any derivative made by adding to, deleting, in part or in whole -- any of the components of the Original Version, by changing formats or 2 Font Software to a new environment. "Author" refers to any designer, engineer, programmer, te or other person who contributed to the Font Software. PERMISSION & amp; CONDITIONS Permission hereby granted, free of charge, to any person obtaining a copy of the Font Software, to use, merge, embed, modify, redistribute, and sell modified and unmodified copies of the Font Softw. the following conditions: 1) Neither the Font Software nor any of its individual components, Modified Versions, may be sold by itself.

2) Original or Modified Versions of the Font Software may be bundled, redistributed and/or so software, provided that each copy contains the above copyright notice and this license. These included either as stand-alone text files, human-readable headers or in the appropriate machin metadata fields within text or binary files as long as those fields can be easily viewed by t Modified Version of the Font Software may use the Reserved Font Name(s) unless explicit writt is granted by the corresponding Copyright Holder. This restriction only applies to the primar presented to the users. 4) The name(s) of the Copyright Holder(s) or the Author(s) of the Fon not be used to promote, endorse or advertise any Modified Version, except to acknowledge the contribution(s) of the Copyright Holder(s) and the Author(s) or with their explicit written p Font Software, modified or unmodified, in part or in whole, must be distributed entirely unde must not be distributed under any other license. The requirement for fonts to remain under th not apply to any document created using the Font Software. TERMINATION This license becomes n void if any of the above conditions are not met. DISCLAIMER THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE. ----- Th the following files Arimo-Bold.ttf Arimo-BoldItalic.ttf Arimo-Italic.ttf Arimo-Regular.ttf Co BoldItalic.ttf Cousine-Italic.ttf Cousine-Regular.ttf Tinos-Bold.ttf Tinos-BoldItalic.ttf Tino Regular.ttf

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 3 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig individual or Legal Entity authorized to submit on behalf of the copyright owner. For the pur definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electro source code control systems, and issue tracking systems that are managed by, or on behalf of, for the purpose of discussing and improving the Work, but excluding communication that is con marked or otherwise designated in writing by the copyright owner as "Not a Contribution." "Co. mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been re Licensor and subsequently incorporated within the Work. 2. Grant of Copyright License. Subjec and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works display, publicly perform, sublicense, and distribute the Work and such Derivative Works in S form. 3. Grant of Patent License. Subject to the terms and conditions of this License, each C grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (ex this section) patent license to make, have made, use, offer to sell, sell, import, and otherw Work, where such license applies only to those patent claims licensable by such Contributor t necessarily infringed by their Contribution(s) alone or by combination of their Contribution(which such Contribution(s) was submitted. If You institute patent litigation against any enti cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporate constitutes direct or contributory patent infringement, then any patent licenses granted to Y License for that Work shall terminate as of the date such litigation is filed. 4. Redistribut reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with o modifications, and in Source or Object form, provided that You meet the following conditions: give any other recipients of the Work or Derivative Works a copy of this License; and (b) You modified files to carry prominent notices stating that You changed the files; and (c) You mus Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and notices from the Source form of the Work, excluding those notices that do not pertain to any p Derivative Works; and (d) If the Work includes a "NOTICE" text file as part of its distribution Derivative Works that You distribute must include a readable copy of the attribution notices of such NOTICE file, excluding those notices that do not

pertain to any part of the Derivative Works, in at least one of the following places: within distributed as part of the Derivative Works; within the Source form or documentation, if prov the Derivative Works; or, within a display generated by the Derivative Works, if and wherever notices normally appear. The contents of the NOTICE file are for informational purposes only modify the License. You may add Your own attribution notices within Derivative Works that You alongside or as an addendum to the NOTICE text from the Work, provided that such additional a notices cannot be construed as modifying the License. You may add Your own copyright statemen modifications and may provide additional or different license terms and conditions for use, re distribution of Your modifications, or for any such Derivative Works as a whole, provided You reproduction, and distribution of the Work otherwise complies with the conditions stated in t Submission of Contributions. Unless You explicitly state otherwise, any Contribution intention for inclusion in the Work by You to the Licensor shall be under the terms and conditions of t without any additional terms or conditions. Notwithstanding the above, nothing herein shall s modify the terms of any separate license agreement you may have executed with Licensor regard Contributions. 6. Trademarks. This License does not grant permission to use the trade names, service marks, or product names of the Licensor, except as required for reasonable and custom describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaim Unless required by applicable law or agreed to in writing, Licensor provides the Work (and ea provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assumassociated with Your exercise of permissions under this License. 8. Limitation of Liability. under no legal theory, whether in tort (including negligence), contract, or otherwise, unless applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall liable to You for damages, including any direct, indirect, special, incidental, or consequent character arising as a result of this License or out of the use or inability to use the Work limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or a commercial damages or losses), even if such Contributor has been advised of the possibility o damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Wo may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or othobligations and/or rights consistent with this License. However, in accepting such obligation only on Your own behalf and on Your sole responsibility, not on behalf of any other Contribut You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred asserted against, such Contributor by reason of your accepting any such warranty or additiona OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclose replaced with your own identifying information. (Don't include the brackets!) The text should the appropriate comment syntax for the file format. We also recommend that a file or class name description of purpose be included on the same "printed page" as the copyright notice for eas within third-party archives. Copyright [yyyy] [name of copyright owner] Licensed under the Ap. Version 2.0 (the "License"); you may not use this file except in compliance with the License. a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applic. agreed to in writing, software distributed under the License is distributed on an "AS IS" BAS WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the spec language governing permissions and limitations under the License. ----------- The public domain/Creative Commons Zero license applies to the following the following the common state of t The Ahem font in this directory belongs to the public domain. In jurisdictions that do not re domain ownership of these files, the following Creative Commons Zero declaration applies: <http://labs.creativecommons.org/licenses/zero-waive/1.0/us/legalcode> which is quoted I person who has associated a work with this document (the "Work") affirms that he or she (the the/an author or owner of the Work. The Work may be any work of authorship, including a datab The Affirmer hereby fully, permanently and irrevocably waives and relinquishes all of her or related or neighboring legal rights in the Work available under any federal or state law, tre including but not limited to moral rights, publicity and privacy rights, rights protecting ag competition and any rights protecting the extraction, dissemination and reuse of data, whethe present or future, vested or contingent (the "Waiver"). The Affirmer makes the Waiver for the public at large and to the detriment of the Affirmer's heirs or successors. The Affirmer unde intends that the Waiver has the effect of eliminating and entirely removing from the Affirmer copyright and related or neighboring legal rights previously held by the Affirmer in the Work making the Work freely available to the public for any and all uses and purposes without rest kind, including commercial use and uses in media and formats or by methods that have not yet 3 invented or conceived. Should the Waiver for any reason be judged legally ineffective in any Affirmer hereby grants a free, full, permanent, irrevocable, nonexclusive and worldwide licen his copyright and related or neighboring legal rights in the Work. ----------- The public domain license applies to the following files GardinerModBug GardinerModCat.ttf In lieu of a licence Fonts in this site are offered free for any use; they embedded, opened, edited, modified, regenerated, posted, packaged and redistributed. George D The Chromium Project

Project Homepage: http://www.chromium.org

// Copyright 2015 The Chromium Authors. All rights reserved. // // Redistribution and use in forms, with or without // modification, are permitted provided that the following conditions Redistributions of source code must retain the above copyright // notice, this list of condit following disclaimer. // * Redistributions in binary form must reproduce the above // copyrig of conditions and the following disclaimer // in the documentation and/or other materials prodistribution. // * Neither the name of Google Inc. nor the names of its // contributors may be used to endorse or promote products derived from // this software with written permission. // // THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT // LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, // DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY // THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT // (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE // OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. The USB ID Repository

Project Homepage: http://www.linux-usb.org/usb-ids.html

Copyright (c) 2012, Linux USB Project All rights reserved. Redistribution and use in source and with or without modification, are permitted provided that the following conditions are met: o source code must retain the above copyright notice, this list of conditions and the following Redistributions in binary form must reproduce the above copyright notice, this list of condit: following disclaimer in the documentation and/or other materials provided with the distribution name of the Linux USB Project nor the names of its contributors may be used to endorse or proproducts derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

tlslite

Project Homepage: http://trevp.net/tlslite/

TLS Lite includes code from different sources. All code is either dedicated to the public dom. or available under a BSD-style license. In particular: - Code written by Trevor Perrin, Kees Rushing, Dimitris Moraitis, Marcelo Fernandez, Martin von Loewis, Dave Baggett, and Yngve Pet available under the following terms: This is free and unencumbered software released into the Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, eit form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means jurisdictions that recognize copyright laws, the author or authors of this software dedicate copyright interest in the software to the public domain. We make this dedication for the bene large and to the detriment of our heirs and successors. We intend this dedication to be an ovrelinquishment in perpetuity of all present and future rights to this software under copyrigh SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. - Code written by Bram Cohen (rijndael.py) was dedicated to the public domain by its author. See rijndael.py for details. - Code written by Google is ava following terms: Copyright (c) 2008, The Chromium Authors All rights reserved. Redistribution source and binary forms, with or without modification, are permitted provided that the follow met: * Redistributions of source code must retain the above copyright notice, this list of co. following disclaimer. * Redistributions in binary form must reproduce the above copyright not conditions and the following disclaimer in the documentation and/or other materials provided distribution.

* Neither the name of the Google Inc. nor the names of its contributors may be used to endorse products derived from this software without specific prior written permission. THIS SOFTWARE PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

UnRAR source for decompressing .RAR and other files. Project Homepage: https://github.com/aawc/unrar.git ****** ***** ******* UnRAR - free utility for RAR archives ** ** ** ** ** ** ** ~~~~~~~~~~ ****** ******* License for use and distribution

~~~~~~~~ The source code of UnRAR utility is freeware. This means: 1. All copyri-RAR and the utility UnRAR are exclusively owned by the author - Alexander Roshal. 2. UnRAR so may be used in any software to handle RAR archives without limitations free of charge, but can develop RAR (WinRAR) compatible archiver and to re-create RAR compression algorithm, which is proprietary. Distribution of modified UnRAR source code in separate form or as a part of othe permitted, provided that full text of this paragraph, starting from "UnRAR source code" words license, or in documentation if license is not available, and in source code comments of resu The UnRAR utility may be freely distributed. It is allowed to distribute UnRAR inside of othe packages. 4. THE RAR ARCHIVER AND THE UNRAR UTILITY ARE DISTRIBUTED "AS IS". NO WARRANTY OF ANY KIND IS EXPRESSED OR IMPLIED. YOU USE AT YOUR OWN RISK. THE AUTHOR WILL NOT BE LIABLE FOR DATA LOSS, DAMAGES, LOSS OF PROFITS OR ANY OTHER KIND OF LOSS WHILE USING OR MISUSING THIS SOFTWARE. 5. Installing and using the UnRAR utility signifiacceptance of

these terms and conditions of the license. 6. If you don't agree with terms of the license you UnRAR files from your storage devices and cease to use the utility. Thank you for your interes UnRAR. Alexander L. Roshal

URI Template Parser

Project Homepage: https://github.com/google/google-api-cpp-client/

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit: means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sha beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity permissions granted by this License. "Source" form shall mean the preferred form for making me including but not limited to software source code, documentation source, and configuration fil form shall mean any form resulting from mechanical transformation or translation of a Source " but not limited to compiled object code, generated documentation, and conversions to other mean "Work" shall mean the work of authorship, whether in Source or Object form, made available und License, as indicated by a

copyright notice that is included in or attached to the work (an example is provided in the Ap "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or the Work and for which the editorial revisions, annotations, elaborations, or other modificate a whole, an original work of authorship. For the purposes of this License, Derivative Works sh works that remain separable from, or merely link (or bind by name) to the interfaces of, the M Derivative Works thereof. "Contribution" shall mean any work of authorship, including the original the Work and any modifications or additions to that Work or Derivative Works thereof, that is submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or authorized to submit on behalf of the copyright owner. For the purposes of this definition, "s any form of electronic, verbal, or written communication sent to the Licensor or its represent but not limited to communication on electronic mailing lists, source code control systems, and systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and s Work, but excluding communication that is conspicuously marked or otherwise designated in writ copyright owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual

on behalf of whom a Contribution has been received by Licensor and subsequently incorporated Work. 2. Grant of Copyright License. Subject to the terms and conditions of this License, eac hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocal license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublic distribute the Work and such Derivative Works in Source or Object form. 3. Grant of Patent Li to the terms and conditions of this License, each Contributor hereby grants to You a perpetua non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such lice to those patent claims licensable by such Contributor that are necessarily infringed by their alone or by combination of their Contribution(s) with the Work to which such Contribution(s) You institute patent litigation against any entity (including a cross-claim or counterclaim in that the Work or a Contribution incorporated within the Work constitutes direct or contributo infringement, then any patent licenses granted to You under this License for that Work shall the date such litigation is filed. 4. Redistribution. You may reproduce and distribute copies Derivative Works thereof in any medium, with or without modifications, and in Source or Objec provided that You

meet the following conditions: (a) You must give any other recipients of the Work or Derivati of this License; and (b) You must cause any modified files to carry prominent notices stating changed the files; and (c) You must retain, in the Source form of any Derivative Works that Y copyright, patent, trademark, and attribution notices from the Source form of the Work, exclunotices that do not pertain to any part of the Derivative Works; and (d) If the Work includes file as part of its distribution, then any Derivative Works that You distribute must include the attribution notices contained within such NOTICE file, excluding those notices that do no part of the Derivative Works, in at least one of the following places: within a NOTICE text f part of the Derivative Works; within the Source form or documentation, if provided along with Works; or, within a display generated by the Derivative Works, if and wherever such third-par normally appear. The contents of the NOTICE file are for informational purposes only and do n License. You may add Your own attribution notices within Derivative Works that You distribute as an addendum to the NOTICE text from the Work, provided that such additional attribution no be construed as modifying the License. You may add Your own copyright statement to Your modif and may provide additional or different license terms and conditions for use, reproduction, o Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduct distribution of the Work otherwise complies with the conditions stated in this License. 5. Su Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitte the Work by You to the Licensor shall be under the terms and conditions of this License, with additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or a terms of any separate license agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. This License does not grant permission to use the trade names, service marks, or product names of the Licensor, except as required for reasonable and custom describing the origin of the Work and reproducing the content of the NOTICE file. 7. Disclaim Unless required by applicable law or agreed to in writing, Licensor provides the Work (and ea provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or

implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMEN MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks assoc Your exercise of permissions under this License. 8. Limitation of Liability. In no event and we theory, whether in tort (including negligence), contract, or otherwise, unless required by app as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be 1: damages, including any direct, indirect, special, incidental, or consequential damages of any arising as a result of this License or out of the use or inability to use the Work (including damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all commercial damages or losses), even if such Contributor has been advised of the possibility o damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or ad liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright [yyyy] [name of copyright owner] Licens Apache License, Version 2.0 (the "License"); you may not use this file except in compliance w You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless req applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. url parse

Project Homepage: http://mxr.mozilla.org/comm-central/source/mozilla/netwerk/base/src/nsURLPa Copyright 2007, Google Inc. All rights reserved. Redistribution and use in source and binary without modification, are permitted provided that the following conditions are met: \* Redistr code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of Google Inc. nor the names of its contributors may be used to endorse or promote produ from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY TH COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. ------------ The file url\_parse.cc

from Mozilla. This file is licensed separately as follows: The contents of this file are subject Public License Version 1.1 (the "License"); you may not use this file except in compliance with You may obtain a copy of the License at http://www.mozilla.org/MPL/ Software distributed under is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. So License for the specific language governing rights and limitations under the License. The Originozilla.org code.

The Initial Developer of the Original Code is Netscape Communications Corporation. Portions c: Initial Developer are Copyright (C) 1998 the Initial Developer. All Rights Reserved. Contribut Fisher (original author) Alternatively, the contents of this file may be used under the terms General Public License Version 2 or later (the "GPL"), or the GNU Lesser General Public Licens or later (the "LGPL"), in which case the provisions of the GPL or the LGPL are applicable inst above. If you wish to allow use of your version of this file only under the terms of either to and not to allow others to use your version of this file under the terms of the MPL, indicate deleting the provisions above and replace them with the notice and other provisions required of the LGPL. If you do not delete the provisions above, a recipient may use your version of this terms of any one of the MPL, the GPL or the LGPL. usrsctp

Project Homepage: http://github.com/sctplab/usrsctp

(Copied from the COPYRIGHT file of https://code.google.com/p/sctp-

refimpl/source/browse/trunk/COPYRIGHT) ------Copyright (c) 2001, 2002 Cisco Systems, Inc. Copyright (c) 2002-12 Randall R. Stewart Copyrig 12 Michael Tuexen All rights reserved. Redistribution and use in source and binary forms, wit modification, are permitted provided that the following conditions are met: 1. Redistribution must retain the above copyright notice, this list of conditions and the following disclaimer. binary form must reproduce the above copyright notice, this list of conditions and the follow the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PRO THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. v4l-utils

Project Homepage: http://git.linuxtv.org/v4l-utils.git

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Suite 500, Boston, MA 02110-1335 USA Everyone i to copy and distribute verbatim copies of this license document, but changing it is not allow first released version of the Lesser GPL. It also counts as the successor of the GNU Library version 2, hence the version number 2.1.] Preamble The licenses for most software are designed away your freedom to share and change it. By contrast, the GNU General Public Licenses are in guarantee your freedom to share and change free software--to make sure the software is free f This license, the Lesser General Public License, applies to some specially designated software typically libraries--of the Free Software Foundation and other authors who decide to use it. too, but we suggest you first think carefully about whether this license or the ordinary Gene is the better strategy to use in any particular case, based on the explanations below. When w software, we are referring to freedom of use, not price. Our General Public Licenses are desisure that you have the freedom to distribute copies of free software (and charge for this ser that you receive source code or can get it if you want it; that you can change the software a in new free programs; and that you are informed that you can do these things. To protect your need to make restrictions that forbid distributors to deny you these rights or to ask you to rights. These restrictions translate to certain responsibilities for you if you distribute co you modify it. For example, if you distribute copies of the library, whether gratis or for a recipients all the rights that we gave you. You must make sure that they, too, receive or can code. If you link other code with the library, you must provide complete object files to the they can relink them with the library after making changes to the library and recompiling it. show them these terms so they know their rights. We protect your rights with a two-step method copyright the library, and (2) we offer you this license, which gives you legal permission to and/or modify the library. To protect each distributor, we want to make it very clear that the

for the free library. Also, if the library is modified by someone else and passed on, the rec that what they have is not the original version, so that the original author's reputation wil problems that might be introduced by others. ^L Finally, software patents pose a constant thr existence of any free program. We wish to make sure that a company cannot effectively restric a free program by obtaining a restrictive license from a patent holder. Therefore, we insist license obtained for a version of the library must be consistent with the full freedom of use license. Most GNU software, including some libraries, is covered by the ordinary GNU General License. This license, the GNU Lesser General Public License, applies to certain designated 1 quite different from the ordinary General Public License. We use this license for certain lib permit linking those libraries into non-free programs. When a program is linked with a librar statically or using a shared library, the combination of the two is legally speaking a combinderivative of the original library. The ordinary General Public License therefore permits suc entire combination fits its criteria of freedom. The Lesser General Public License permits mo linking other code with the library. We call this license the "Lesser" General Public License Less to protect the user's freedom than the ordinary General Public License. It also provides software developers Less of an advantage over competing non-free programs. These disadvantage reason we use the ordinary General Public License for many libraries. However, the Lesser lic advantages in certain special circumstances. For example, on rare occasions, there may be a s to encourage the widest possible use of a certain library, so that it becomes a de-facto stan this, non-free programs must be allowed to use the library. A more frequent case is that a from the same job as widely used non-free libraries. In this case, there is little to gain by limi free software only, so we use the Lesser General Public License. In other cases, permission to particular library in non-free

programs enables a greater number of people to use a large body of free software. For example, to use the GNU C Library in non-free programs enables many more people to use the whole GNU of system, as well as its variant, the GNU/Linux operating system. Although the Lesser General Pr is Less protective of the users' freedom, it does ensure that the user of a program that is li-Library has the freedom and the wherewithal to run that program using a modified version of th precise terms and conditions for copying, distribution and modification follow. Pay close atte difference between a "work based on the library" and a "work that uses the library". The forme derived from the library, whereas the latter must be combined with the library in order to run LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND

MODIFICATION 0. This License Agreement applies to any software library or other program which a notice placed by the copyright holder or other authorized party saying it may be distribute of this Lesser General Public License (also called "this License"). Each licensee is addresse "library" means a collection of software functions and/or data prepared so as to be convenien application programs (which use some of those functions and data) to form executables. The "L below, refers to any such software library or work which has been distributed under these term based on the Library" means either the Library or any derivative work under copyright law: th work containing the Library or a portion of it, either verbatim or with modifications and/or straightforwardly into another language. (Hereinafter, translation is included without limita "modification".) "Source code" for a work means the preferred form of the work for making mod For a library, complete source code means all the source code for all modules it contains, pl associated interface definition files, plus the scripts used to control compilation and insta Activities other than copying, distribution and modification are not covered by this License; its scope. The act of running a program using the Library is not restricted, and output from covered only if its contents constitute a work based on the Library (independent of the use o tool for writing it). Whether that is true depends on what the Library does and what the prog Library does. 1. You may copy and distribute verbatim copies of the Library's complete source receive it, in any medium, provided that you conspicuously and appropriately publish on each appropriate copyright notice and disclaimer of warranty; keep intact all the notices that ref and to the absence of any warranty; and distribute a copy of this License along with the Libr. charge a fee for the physical act of transferring a copy, and you may at your option offer wa in exchange for a fee. 2. You may modify your copy or copies of the Library or any portion of a work based on the Library, and copy and distribute such modifications or work under the term above, provided that you also meet all of these conditions: a) The modified work must itself library. b) You must cause the files modified to carry prominent notices stating that you cha the date of any change. c) You must cause the whole of the work to be licensed at no charge t parties under the terms of this License. d) If a facility in the modified Library refers to a data to be supplied by an application program that uses the facility, other than as an argume the facility is invoked, then you must make a good faith effort to ensure that, in the event not supply such function or table, the facility still operates, and performs whatever part of meaningful. (For example, a function in a library to compute square roots has a purpose that defined independent of the application. Therefore, Subsection 2d requires that any application function or table used by this function must be optional: if the application does not supply function must still compute square roots.) These requirements apply to the modified work as a identifiable sections of that work are not derived from the Library, and can be reasonably co independent and separate works in themselves, then this License, and its terms, do not apply sections when you distribute them as separate works. But when you distribute the same section whole which is a work based on the Library, the distribution of the whole must be on the term License, whose permissions for other licensees extend to the entire whole, and thus to each a regardless of who wrote it. Thus, it is not the intent of this section to claim rights or con written entirely by you; rather, the intent is to exercise the right to control the distribut collective works based on the Library. In addition, mere aggregation of another work not base with the Library (or with a work based on the Library) on a volume of

a storage or distribution medium does not bring the other work under the scope of this Licens opt to apply the terms of the ordinary GNU General Public License instead of this License to the Library. To do this, you must alter all the notices that refer to this License, so that t ordinary GNU General Public License, version 2, instead of to this License. (If a newer version of the ordinary GNU General Public License has appeared, then you can specify that version in wish.) Do not make any other change in these notices. ^L Once this change is made in a given irreversible for that copy, so the ordinary GNU General Public License applies to all subseque derivative works made from that copy. This option is useful when you wish to copy part of the Library into a program that is not a library. 4. You may copy and distribute the Library (or derivative of it, under Section 2) in object code or executable form under the terms of Section provided that you accompany it with the complete corresponding machine-readable source code, be distributed under the terms of Sections 1 and 2 above on a medium customarily used for sof interchange. If distribution of object code is made by offering access to copy from a designa offering equivalent access to copy the source code from the same place satisfies the requirem distribute the source code, even though third parties are not compelled to copy the source al object code. 5. A program that contains no derivative of any portion of the Library, but is d with the Library by being compiled or linked with it, is called a "work that uses the Library isolation, is not a derivative work of the Library, and therefore falls outside the scope of However, linking a "work that uses the Library" with the Library creates an executable that i the Library (because it contains portions of the Library), rather than a "work that uses the executable is therefore covered by this License. Section 6 states terms for distribution of s When a "work that uses the Library" uses material from a header file that is part of the Libr code for the work may be a derivative work of the Library even though the source code is not. true is especially significant if the work can be linked without the Library, or if the work threshold for this to be true is not precisely defined by law. If such an object file uses on

parameters, data structure layouts and accessors, and small macros and small inline functions less in length), then the use of the object file is unrestricted, regardless of whether it is work. (Executables containing this object code plus portions of the Library will still fall u Otherwise, if the work is a derivative of the Library, you may distribute the object code for terms of Section 6. Any executables containing that work also fall under Section 6, whether o linked directly with the Library itself. ^L 6. As an exception to the Sections above, you may link a "work that uses the Library" with the Library to produce a work containing portions of distribute that work under terms of your choice, provided that the terms permit modification customer's own use and reverse engineering for debugging such modifications. You must give pronotice with each copy of the work that the Library is used in it and that the Library and its this License. You must supply a copy of this License. If the work during execution displays c you must include the copyright notice for the Library among them, as well as a reference dire the copy of this License. Also, you must do one of these things: a) Accompany the work with t corresponding machine-readable source code for the Library including whatever changes were us work (which must be distributed under Sections 1 and 2 above); and, if the work is an executa the Library, with the complete machine-readable "work that uses the Library", as object code code, so that the user can modify the Library and then relink to produce a modified executable modified Library. (It is understood that the user who changes the contents of definitions filnot necessarily be able to recompile the application to use the modified definitions.) b) Use library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at the library already present on the user's computer system, rather than copying library function executable, and (2) will operate properly with a modified version of the library, if the user as the modified version is interface-compatible with the version that the work was made with. the work with a written offer, valid for at least three years, to give the same user the mate Subsection 6a, above, for a charge no more than the cost of performing this distribution. d) the work is made by offering access to copy from a designated place, offer equivalent access above specified materials from the same place. e) Verify that the user has already received a materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any dat. programs needed for reproducing the executable from it. However, as a special exception, the be distributed need not include anything that is normally distributed (in either source or bi major components (compiler, kernel, and so on) of the operating system on which the executable unless that component itself accompanies the executable. It may happen that this requirement the license restrictions of other proprietary libraries that do not normally accompany the op-Such a contradiction means you cannot use both them and the Library together in an executable distribute. ^L 7. You may place library facilities that are a work based on the Library sidelibrary together with other library facilities not covered by this License, and distribute su provided that the separate distribution of the work based on the Library and of the other lib otherwise permitted, and provided that you do these two things: a) Accompany the combined lib copy of the same work based on the Library, uncombined with any other library facilities. Thi distributed under the terms of the Sections above. b) Give prominent notice with the combined fact that part of it is a work based on the Library, and explaining where to find the accompa form of the same work. 8. You may not copy, modify, sublicense, link with, or distribute the expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, lin distribute the Library is void, and will automatically terminate your rights under this Licen who have received copies, or rights, from you under this License will not have their licenses long as such parties remain in full compliance. 9. You are not required to accept this License not signed it. However, nothing else grants you permission to modify or distribute the Librar works. These actions are prohibited by law if you do not accept this License. Therefore, by m distributing the Library (or any work based on the Library), you indicate your acceptance of

so, and all its terms and conditions for copying, distributing or modifying the Library or wo Each time you redistribute the Library (or any work based on the Library), the recipient auto a license from the original licensor to copy, distribute, link with or modify the Library sub and conditions. You may not impose any further restrictions on the recipients' exercise of the herein. You are not responsible for enforcing compliance by third parties with this License. ^L 11. If, as a consequence of a court judgment or allegation of patent infringement or for a (not limited to patent issues), conditions are imposed on you (whether by court order, agreem otherwise) that contradict the conditions of this License, they do not excuse you from the co. License. If you cannot distribute so as to satisfy simultaneously your obligations under this other pertinent obligations, then as a consequence you may not distribute the Library at all. patent license would not permit royalty-free redistribution of the Library by all those who re directly or indirectly through you, then the only way you could satisfy both it and this Lice refrain entirely from distribution of the Library. If any portion of this section is held invo under any particular circumstance, the balance of the section is intended to apply, and the section is intended to apply in other circumstances. It is not the purpose of this section to induce patents or other property right claims or to contest validity of any such claims; this section purpose of protecting the integrity of the free software distribution system which is implement license practices. Many people have made generous contributions to the wide range of software through that system in reliance on consistent application of that system; it is up to the aut if he or she is willing to distribute software through any other system and a licensee cannot choice. This section is intended to make thoroughly clear what is believed to be a consequence this License. 12. If the distribution and/or use of the Library is restricted in certain coun or by copyrighted interfaces, the original copyright holder who places the Library under this an explicit geographical distribution limitation excluding those countries, so that distribut in or among countries not thus excluded. In such case, this License incorporates the limitation the body of this License. 13. The Free Software Foundation may publish revised and/or new ver Lesser General Public License from time to time. Such new versions will be similar in spirit version, but may differ in detail to address new problems or concerns. Each version is given version number. If the Library specifies a version number of this License which applies to it version", you have the option of following the terms and conditions either of that version or version published by the Free Software Foundation. If the Library does not specify a license you may choose any version ever published by the Free Software Foundation. ^L 14. If you wish incorporate parts of the Library into other free

programs whose distribution conditions are incompatible with these, write to the author to as For software which is copyrighted by the Free Software Foundation, write to the Free Software we sometimes make exceptions for this. Our decision will be guided by the two goals of preser status of all derivatives of our free software and of promoting the sharing and reuse of soft WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY

YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS ^L How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the greatest possible use to recommend making it free software that everyone can redistribute and change. You can do so by redistribution under these terms (or, alternatively, under the terms of the ordinary General apply these terms, attach the following notices to the library. It is safest to attach them t source file to most effectively convey the exclusion of warranty; and each file should have a "copyright" line and a pointer to where the full notice is found. <one line to give the lib brief idea of what it does.> Copyright (C) <year&gt; &lt;name of author&gt; This librar you can redistribute it and/or modify it under the terms of the GNU Lesser General Public Lic published by the Free Software Foundation; either version 2.1 of the License, or (at your opt version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; with implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU

Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation. Street, Suite 500, Boston, MA 02111-1307 USA Also add information on how to contact you by ele and paper mail. You should also get your employer (if you work as a programmer) or your school sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) or Random Hacker. <signature of Ty Coon&gt;, 1 April 1990 Ty Coon, President of Vice That's at V8 JavaScript Engine

# Project Homepage: http://code.google.com/p/v8

This license applies to all parts of V8 that are not externally maintained libraries. The extendition of the test of the test suite, located in test/mjsunit/third\_party/regexp-pere/s. This is based on the test suite from PCRE-7.3, which is copyrighted by the University of Camber Google, Inc. The copyright notice and license are embedded in regexp-pere.js. - Layout tests, test/mjsunit/third\_party/object-keys. These are based on layout tests from webkit.org which as by Apple Computer, Inc. and released under a 3-clause BSD license. - Strongtalk assembler, the files assembler-arm-inl.h, assembler-arm.cc, assembler-arm.h, assembler-ia32-inl.h, assembler-ia32.h, assembler-x64-inl.h, assembler-x64.cc, assembler-x64.h, assembler-mips-inl.h Microsystems Inc. and released under a 3-clause BSD license.

- Valgrind client API header, located at src/third\_party/valgrind/valgrind.h This is released license. - The Wasm C/C++ API headers, located at third party/wasm-api/wasm.{h,hh} This is re under the Apache license. The API's upstream prototype implementation also formed the basis o implementation in src/wasm/c-api.cc. These libraries have their own licenses; we recommend yo as their terms may differ from the terms below. Further license information can be found in L located in sub-directories. Copyright 2014, the V8 project authors. All rights reserved. Redi in source and binary forms, with or without modification, are permitted provided that the fol are met: \* Redistributions of source code must retain the above copyright notice, this list o the following disclaimer. \* Redistributions in binary form must reproduce the above copyright of conditions and the following disclaimer in the documentation and/or other materials provide distribution. \* Neither the name of Google Inc. nor the names of its contributors may be used promote products derived from this software without specific prior written permission. THIS Su PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,

INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

valgrind

# Project Homepage: http://valgrind.org

Notice that the following BSD-style license applies to the Valgrind header files used by Chron and memcheck.h). However, the rest of Valgrind is licensed under the terms of the GNU General License, version 2, unless otherwise indicated. -----Copyright (C) 2000-2008 Julian Seward. All rights reserved. Redistribution and use in source forms, with or without modification, are permitted provided that the following conditions are Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. 2. The origin of this software must not be misrepresented; you must not claim tha original software. If you use this software in a product, an acknowledgment in the product do would be appreciated but is not required. 3. Altered source versions must be plainly marked a must not be misrepresented as being the original software. 4. The name of the author may not endorse or promote products derived from this software without specific prior written permiss SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. WDS

### Project Homepage: https://github.com/0lorg/wds

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone to copy and distribute verbatim copies of this license document, but changing it is not allow first released version of the Lesser GPL. It also counts as the successor of the GNU Library version 2, hence the version number 2.1.] Preamble

The licenses for most software are designed to take away your freedom to share and change it. the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This license, the Lesser General applies to some specially designated software packages--typically libraries--of the Free Software and other authors who decide to use it. You can use it too, but we suggest you first think can whether this license or the ordinary General Public License is the better strategy to use in a case, based on the explanations below. When we speak of free software, we are referring to free not price. Our General Public Licenses are designed to make sure that you have the freedom to copies of free software (and charge for this service if you wish); that you receive source con you want it; that you can change the software and use pieces of it in new free programs; and the informed that you can do these things. To protect your rights, we need to make restrictions the distributors to deny you these rights or to ask you to surrender these rights. These restricts certain responsibilities for you if you distribute copies of the library or if you modify it. distribute copies of the library, whether gratis or for a fee, you must give the recipients at gave you. You must make sure that they, too, receive or can get the source code. If you link of the source code is the source code. If you link of the library code is the source code. If you link of the library code is the library code is the source code. If you link of the source code is the source code. If you link of the source code is the source code. If you link of the source code is the source code. If you link of the source code is the source code is the source code is the library code is the source code is the library code is the source code is the source code. If you link of the source code is the source code is the library code is the source code is the source code is the library code is the the library, you must provide complete object files to the recipients, so that they can reliable library after making changes to the library and recompiling it. And you must show them these know their rights. We protect your rights with a two-step method: (1) we copyright the library you this license, which gives you legal permission to copy, distribute and/or modify the library each distributor, we want to make it very clear that there is no warranty for the free library is modified by someone else and passed on, the recipients should know that what they have is a original version, so that the original author's reputation will not be affected by problems the introduced by others. Finally, software patents pose a constant threat to the existence of any We wish to make sure that a company cannot effectively restrict the users of a free program by restrictive license from a patent holder. Therefore, we insist that any patent license obtained the library must be consistent with the full freedom of use specified in this license. Most GN including some libraries, is covered by the ordinary GNU General Public License. This license Lesser General Public License, applies to certain designated libraries, and is quite different General Public License. We use

this license for certain libraries in order to permit linking those libraries into non-free p program is linked with a library, whether statically or using a shared library, the combination legally speaking a combined work, a derivative of the original library. The ordinary General therefore permits such linking only if the entire combination fits its criteria of freedom. T Public License permits more lax criteria for linking other code with the library. We call thi "Lesser" General Public License because it does Less to protect the user's freedom than the o General Public License. It also provides other free software developers Less of an advantage non-free programs. These disadvantages are the reason we use the ordinary General Public Lice. many libraries. However, the Lesser license provides advantages in certain special circumstan example, on rare occasions, there may be a special need to encourage the widest possible use library, so that it becomes a de-facto standard. To achieve this, non-free programs must be a the library. A more frequent case is that a free library does the same job as widely used non this case, there is little to gain by limiting the free library to free software only, so we Public License. In other cases, permission to use a particular library in non-free programs estimates number of people to use a large body of free software. For example, permission to use the GNU non-free programs enables many more people to use the whole GNU operating system, as well as the GNU/Linux operating system. Although the Lesser General Public License is Less protective freedom, it does ensure that the user of a program that is linked with the Library has the freedom. wherewithal to run that program using a modified version of the Library. The precise terms an copying, distribution and modification follow. Pay close attention to the difference between the library" and a "work that uses the library". The former contains code derived from the li latter must be combined with the library in order to run. GNU LESSER GENERAL PUBLIC LICENSE T AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement

applies to any software library or other program which contains a notice placed by the copyriother authorized party saying it may be distributed under the terms of this Lesser General Put (also called "this License"). Each licensee is addressed as "you". A "library" means a collec functions and/or data

prepared so as to be conveniently linked with application programs (which use some of those for data) to form executables. The "Library", below, refers to any such software library or work of distributed under these terms. A "work based on the Library" means either the Library or any of under copyright law: that is to say, a work containing the Library or a portion of it, either modifications and/or translated straightforwardly into another language. (Hereinafter, translawithout limitation in the term "modification".) "Source code" for a work means the preferred of for making modifications to it. For a library, complete source code means all the source code it contains, plus any associated interface definition files, plus the scripts used to control installation of the library. Activities other than copying, distribution and modification are License; they are outside its scope. The act of running a program using the Library is not re output from such a program is covered only if its contents constitute a work based on the Lib (independent of the use of the Library in a tool for writing it). Whether that is true depend does and what the program that uses the Library does. 1. You may copy and distribute verbatim Library's complete source code as you receive it, in any medium, provided that you conspicuou appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty the notices that refer to this License and to the absence of any warranty; and distribute a c along with the Library. You may charge a fee for the physical act of transferring a copy, and option offer warranty protection in exchange for a fee. 2. You may modify your copy or copies or any portion of it, thus forming a work based on the Library, and copy and distribute such work under the terms of Section 1 above, provided that you also meet all of these conditions: work must itself be a software library. b) You must cause the files modified to carry promine that you changed the files and the date of any change. c) You must cause the whole of the wor licensed at no charge to all third parties under the terms of this License. d) If a facility refers to a function or a table of data to be supplied by an application program that uses the than as an argument passed when the facility is invoked, then you must make a good faith effo that, in the event an application does not supply such function or

table, the facility still operates, and performs whatever part of its purpose remains meaning a function in a library to compute square roots has a purpose that is entirely well-defined in application. Therefore, Subsection 2d requires that any application-supplied function or table function must be optional: if the application does not supply it, the square root function mu square roots.) These requirements apply to the modified work as a whole. If identifiable sect are not derived from the Library, and can be reasonably considered independent and separate w themselves, then this License, and its terms, do not apply to those sections when you distrib separate works. But when you distribute the same sections as part of a whole which is a work Library, the distribution of the whole must be on the terms of this License, whose permission licensees extend to the entire whole, and thus to each and every part regardless of who wrote not the intent of this section to claim rights or contest your rights to work written entirel intent is to exercise the right to control the distribution of derivative or collective works In addition, mere aggregation of another work not based on the Library with the Library (or w on the Library) on a volume of a storage or distribution medium does not bring the other work scope of this License. 3. You may opt to apply the terms of the ordinary GNU General Public L of this License to a given copy of the Library. To do this, you must alter all the notices th License, so that they refer to the ordinary GNU General Public License, version 2, instead of (If a newer version than version 2 of the ordinary GNU General Public License has appeared, t specify that version instead if you wish.) Do not make any other change in these notices. Once made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public Li all subsequent copies and derivative works made from that copy. This option is useful when yo part of the code of the Library into a program that is not a library. 4. You may copy and dis (or a portion or derivative of it, under Section 2) in object code or executable form under t Sections 1 and 2 above provided that you accompany it with the complete corresponding machine source code, which must be distributed under the terms of Sections 1 and 2 above on a medium used for software interchange. If distribution of object code is made by offering access to c from a designated place, then offering equivalent access to copy the source code from the same satisfies the requirement to distribute the source code, even though third parties are not con the source along with the object code. 5. A program that contains no derivative of any portion but is designed to work with the Library by being compiled or linked with it, is called a "wo Library". Such a work, in isolation, is not a derivative work of the Library, and therefore f. of this License. However, linking a "work that uses the Library" with the Library creates an a derivative of the Library (because it contains portions of the Library), rather than a "wor library". The executable is therefore covered by this License. Section 6 states terms for dis executables. When a "work that uses the Library" uses material from a header file that is par the object code for the work may be a derivative work of the Library even though the source c Whether this is true is especially significant if the work can be linked without the Library, a library. The threshold for this to be true is not precisely defined by law. If such an obje numerical parameters, data structure layouts and accessors, and small macros and small inline (ten lines or less in length), then the use of the object file is unrestricted, regardless of derivative work. (Executables containing this object code plus portions of the Library will s Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the obj work under the terms of Section 6. Any executables containing that work also fall under Sectinot they are linked directly with the Library itself. 6. As an exception to the Sections above combine or link a "work that uses the Library" with the Library to produce a work containing Library, and distribute that work under terms of your choice, provided that the terms permit a work for the customer's own use and reverse engineering for debugging such modifications. You prominent notice with each copy of the work that the Library is used in it and that the Libra covered by this License. You must supply a copy of this License. If the work during execution copyright notices, you must include the copyright notice for the Library among them, as well directing the user to the copy of this License. Also, you must do one of these things: a) Acc with the complete corresponding machine-readable source code for the Library including whateve were used in the work (which must be distributed under Sections 1 and 2 above); and, if the w executable linked

with the Library, with the complete machine-readable "work that uses the Library", as object source code, so that the user can modify the Library and then relink to produce a modified excontaining the modified Library. (It is understood that the user who changes the contents of the Library will not necessarily be able to recompile the application to use the modified def suitable shared library mechanism for linking with the Library. A suitable mechanism is one t run time a copy of the library already present on the user's computer system, rather than cop functions into the executable, and (2) will operate properly with a modified version of the l installs one, as long as the modified version is interface-compatible with the version that t with. c) Accompany the work with a written offer, valid for at least three years, to give the materials specified in Subsection 6a, above, for a charge no more than the cost of performing distribution. d) If distribution of the work is made by offering access to copy from a design equivalent access to copy the above specified materials from the same place. e) Verify that t already received a copy of these materials or that you have already sent this user a copy. Fo the required form of the "work that uses the Library" must include any data and utility progr reproducing the executable from it. However, as a special exception, the materials to be dist include anything that is normally distributed (in either source or binary form) with the majo (compiler, kernel, and so on) of the operating system on which the executable runs, unless th itself accompanies the executable. It may happen that this requirement contradicts the license other proprietary libraries that do not normally accompany the operating system. Such a contra you cannot use both them and the Library together in an executable that you distribute. 7. Yo library facilities that are a work based on the Library side-by-side in a single library toge facilities not covered by this License, and distribute such a combined library, provided that distribution of the work based on the Library and of the other library facilities is otherwise provided that you do these two things: a) Accompany the combined library with a copy of the s based on the Library, uncombined with any other library facilities. This must be distributed the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based and explaining where to find the accompanying uncombined form of the same work. 8. You may not modify, sublicense, link with, or distribute the Library except as expressly provided under the attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, terminate your rights under this License. However, parties who have received copies, or right under this License will not have their licenses terminated so long as such parties remain in You are not required to accept this License, since you have not signed it. However, nothing e permission to modify or distribute the Library or its derivative works. These actions are proyou do not accept this License. Therefore, by modifying or distributing the Library (or any w Library), you indicate your acceptance of this License to do so, and all its terms and condit distributing or modifying the Library or works based on it. 10. Each time you redistribute the work based on the Library), the recipient automatically receives a license from the original distribute, link with or modify the Library subject to these terms and conditions. You may no further restrictions on the recipients' exercise of the rights granted herein. You are not re enforcing compliance by third parties with this License. 11. If, as a consequence of a court allegation of patent infringement or for any other reason (not limited to patent issues), conon you (whether by court order, agreement or otherwise) that contradict the conditions of thi do not excuse you from the conditions of this License. If you cannot distribute so as to sati your obligations under this License and any other pertinent obligations, then as a consequence distribute the Library at all. For example, if a patent license would not permit royalty-free Library by all those who receive copies directly or indirectly through you, then the only way both it and this License would be to refrain entirely from distribution of the Library. If an section is held invalid or unenforceable under any particular circumstance, the balance of the intended to apply, and the section as a whole is intended to apply in other circumstances. It purpose of this section to induce you to infringe any patents or other property right claims validity of any such claims; this section has the sole purpose of protecting the integrity of distribution system which is implemented by public license practices. Many people have made g contributions to the wide range of software distributed through that system in reliance on co. application of that system; it is up to the author/donor to decide if he or she is willing to through any other system and a licensee cannot

impose that choice. This section is intended to make thoroughly clear what is believed to be of the rest of this License. 12. If the distribution and/or use of the Library is restricted either by patents or by copyrighted interfaces, the original copyright holder who places the License may add an explicit geographical distribution limitation excluding those countries, s is permitted only in or among countries not thus excluded. In such case, this License incorpo limitation as if written in the body of this License. 13. The Free Software Foundation may put and/or new versions of the Lesser General Public License from time to time. Such new versions similar in spirit to the present version, but may differ in detail to address new problems or version is given a distinguishing version number. If the Library specifies a version number o which applies to it and "any later version", you have the option of following the terms and c that version or of any later version published by the Free Software Foundation. If the Librar a license version number, you may choose any version ever published by the Free Software Found If you wish to incorporate parts of the Library into other free programs whose distribution c incompatible with these, write to the author to ask for permission. For software which is cop Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions Our decision will be guided by the two goals of preserving the free status of all derivatives software and of promoting the sharing and reuse of software generally. NO WARRANTY 15. BECAUS LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU.

SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF

SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Libraries If you develop a n library, and you want it to be of the greatest possible use to the public, we recommend making software that everyone can redistribute and change. You can do so by permitting redistribution terms (or, alternatively, under the terms of the ordinary General Public License). To apply t the following notices to the library. It is safest to attach them to the start of each source convey the exclusion of warranty; and each file should have at least the "copyright" line and where the full notice is found. < one line to give the library's name and a brief idea of wi Copyright (C) <year&gt; &lt;name of author&gt; This library is free software; you can redi modify it under the terms of the GNU Lesser General Public License as published by the Free S Foundation; either version 2.1 of the License, or (at your option) any later version. This li the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public Li with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, F 02110-1301 USA Also add information on how to contact you by electronic and paper mail. You si get your employer (if you work as a programmer) or your school, if any, to sign a "copyright the library, if necessary. Here is a sample; alter the names: Yoyodyne, Inc., hereby disclaim interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker. Ty Coon>, 1 April 1990 Ty Coon, President of Vice That's all there is to it! Web Animations JS

### Project Homepage: https://github.com/web-animations/web-animations-js

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 2

interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyrig or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. Fo this definition, "submitted" means any form of electronic, verbal, or written communication set Licensor or its representatives, including but not limited to communication on electronic mai code control systems, and issue tracking systems that are managed by, or on behalf of, the Li purpose of discussing and improving the Work, but excluding communication that is conspicuous otherwise designated in writing by the copyright owner as "Not a Contribution." "Contributor" Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received and subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Grant of Patent License. Subject to the terms and conditions of this License, each Contributo to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as section) patent license to make, have made, use, offer to sell, sell, import, and otherwise t where such license applies only to those patent claims licensable by such Contributor that are infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W the Work includes a "NOTICE" text file as part of its

distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co. modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor Licensor shall be under the terms and conditions of this License, without any additional term Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut

IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibi damages. 9. Accepting Warranty or Additional Liability. While redistributing the Work or Deri thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, index liability obligations and/or rights consistent with this License. However, in accepting such may act only on Your own behalf and on Your sole responsibility, not on behalf of any other C only if You agree to indemnify, defend, and hold each Contributor harmless for any liability claims asserted against, such Contributor by reason of your accepting any such warranty or ad liability. END OF TERMS AND CONDITIONS APPENDIX: How to apply the Apache License to your work apply the Apache License to your work, attach the following boilerplate notice, with the field brackets "[]" replaced with your own identifying information. (Don't include the brackets!) T enclosed in the appropriate comment syntax for the file format. We also recommend that a file and description of purpose be included on the same "printed page" as the copyright notice for identification within third-party archives. Copyright [yyyy] [name of copyright owner] License Apache License, Version 2.0 (the "License"); you may not use this file except in compliance w You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless req applicable law or agreed to in writing, software distributed under the License is distributed BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. WebKit

### Project Homepage: http://webkit.org/

(WebKit doesn't distribute an explicit license. This LICENSE is derived from license text in a Copyright (c) 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007 Alexander Kelle Proskuryakov, Alex Mathews, Allan Sandfeld Jensen, Alp Toker, Anders Carlsson, Andrew Wellinge Koivisto, Apple Inc., Arthur Langereis, Baron Schwartz, Bjoern Graf,

Brent Fulgham, Cameron Zwarich, Charles Samuels, Christian Dywan, Collabora Ltd., Cyrus Patel Molkentin, Dave Maclachlan, David Smith, Dawit Alemayehu, Dirk Mueller, Dirk Schulze, Don Gib Ros, Eric Seidel, Frederik Holljen, Frerich Raabe, Friedmann Kleint, George Staikos, Google I. Dennis, Harri Porten, Henry Mason, Hiroyuki Ikezoe, Holger Hans Peter Freyther, IBM, James G. Alonzo, Jean-Loup Gailly, John Reis, Jonas Witt, Jon Shier, Jonas Witt, Julien Chaffraix, Jus Kevin Ollivier, Kevin Watters, Kimmo Kinnunen, Kouhei Sutou, Krzysztof Kowalczyk, Lars Knoll, Maks Orlovich, Malte Starostik, Mark Adler, Martin Jones, Marvin Decker, Matt Lilek, Michael Pettel, mozilla.org, Netscape Communications Corporation, Nicholas Shanks, Nikolas Zimmermann Oliver Hunt, Opened Hand, Paul Johnston, Peter Kelly, Pioneer Research Center USA, Rich Moore Buis, Robin Dunn, Ronald Tschalär, Samuel Weinig, Simon Hausmann, Staikos Computing Services Stefan Schimanski, Symantec Corporation, The Dojo Foundation, The Karbon Developers, Thomas B Tim Copperfield, Tobias Anton, Torben Weis, Trolltech, University of Cambridge, Vaclav Slavik Bastian, Xan Lopez, Zack Rusin The terms and conditions vary from file to file, but are one o and use in source and binary forms, with or without modification, are permitted provided that conditions are met: 1. Redistributions of source code must retain the above copyright notice, conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the notice, this list of conditions and the following disclaimer in the documentation and/or othe provided with the distribution. \*OR\* Redistribution and use in source and binary forms, with modification, are permitted provided that the following conditions are met: 1. Redistribution must retain the above copyright notice, this list of conditions and the following disclaimer. binary form must reproduce the above copyright notice, this list of conditions and the follow the documentation and/or other materials provided with the distribution. 3. Neither the name Computer, Inc. ("Apple") nor the names of its contributors may be used to endorse or promote derived from this software without specific prior written permission. THIS SOFTWARE IS PROVID APPLE COMPUTER, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE COMPUTER, INC. OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. GNU LIBRARY GENERAL PUBLIC LICENSE Version 2, June 1991 Copyright (C) 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permi and distribute verbatim copies of this license document, but changing it is not allowed. [Thi released version of the library GPL. It is numbered 2 because it goes with version 2 of the o Preamble The licenses for most software are designed to take away your freedom to share and c contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and free software--to make sure the software is free for all its users. This license, the Library License, applies to some specially designated Free Software Foundation software, and to any o whose authors decide to use it. You can use it for your libraries, too. When we speak of free referring to freedom, not price. Our General Public Licenses are designed to make sure that y freedom to distribute copies of free software (and charge for this service if you wish), that code or can get it if you want it, that you can change the software or use pieces of it in ne and that you know you can do these things. To protect your rights, we need to make restriction anyone to deny you these rights or to ask you to surrender the rights. These restrictions tra responsibilities for you if you distribute copies of the library, or if you modify it. For ex. copies of the library, whether gratis or for a fee, you must give the recipients all the righ You must make sure that they, too, receive or can get the source code. If you link a program you must provide complete object files to the recipients so that they can relink them with the making changes to the library and recompiling it. And you must show them these terms so they rights. Our method of protecting your rights has two steps: (1) copyright the library, and (2 license which gives you legal permission to copy, distribute and/or modify the library. Also, for each distributor's protection, we want to make certain that everyone understands the warranty for this free library. If the library is modified by someone else and passed on, we to know that what they have is not the original version, so that any problems introduced by o reflect on the original authors' reputations. Finally, any free program is threatened constan patents. We wish to avoid the danger that companies distributing free software will individua licenses, thus in effect transforming the program into proprietary software. To prevent this, clear that any patent must be licensed for everyone's free use or not licensed at all. Most G including some libraries, is covered by the ordinary GNU General Public License, which was de utility programs. This license, the GNU Library General Public License, applies to certain de This license is quite different from the ordinary one; be sure to read it in full, and don't in it is the same as in the ordinary license. The reason we have a separate public license fo that they blur the distinction we usually make between modifying or adding to a program and s

Linking a program with a library, without changing the library, is in some sense simply using analogous to running a utility program or application program. However, in a textual and lega linked executable is a combined work, a derivative of the original library, and the ordinary License treats it as such. Because of this blurred distinction, using the ordinary General Pui libraries did not effectively promote software sharing, because most developers did not use t concluded that weaker conditions might promote sharing better. However, unrestricted linking programs would deprive the users of those programs of all benefit from the free status of the themselves. This Library General Public License is intended to permit developers of non-free use free libraries, while preserving your freedom as a user of such programs to change the free are incorporated in them. (We have not seen how to achieve this as regards changes in header have achieved it as regards changes in the actual functions of the Library.) The hope is that faster development of free libraries. The precise terms and conditions for copying, distribut modification follow. Pay close attention to the difference between a "work based on the libra that uses the library". The former contains code derived from the library, while the latter of with the library. Note that it is possible for a library to be covered by the ordinary Genera rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION

AND MODIFICATION 0. This License Agreement applies to any software library which contains a n placed by the copyright holder or other authorized party saying it may be distributed under t Library General Public License (also called "this License"). Each licensee is addressed as "y means a collection of software functions and/or data prepared so as to be conveniently linked application programs (which use some of those functions and data) to form executables. The "L below, refers to any such software library or work which has been distributed under these term based on the Library" means either the Library or any derivative work under copyright law: th work containing the Library or a portion of it, either verbatim or with modifications and/or straightforwardly into another language. (Hereinafter, translation is included without limita "modification".) "Source code" for a work means the preferred form of the work for making mod For a library, complete source code means all the source code for all modules it contains, pl associated interface definition files, plus the scripts used to control compilation and insta Activities other than copying, distribution and modification are not covered by this License; its scope. The act of running a program using the Library is not restricted, and output from covered only if its contents constitute a work based on the Library (independent of the use o tool for writing it). Whether that is true depends on what the Library does and what the prog Library does. 1. You may copy and distribute verbatim copies of the Library's complete source receive it, in any medium, provided that you conspicuously and appropriately publish on each appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refe and to the absence of any warranty; and distribute a copy of this License along with the Libr charge a fee for the physical act of transferring a copy, and you may at your option offer wa in exchange for a fee. 2. You may modify your copy or copies of the Library or any portion of a work based on the Library, and copy and distribute such modifications or work under the term above, provided that you also meet all of these conditions: a) The modified work must itself library. b) You must cause the files modified to carry prominent notices

stating that you changed the files and the date of any change. c) You must cause the whole of licensed at no charge to all third parties under the terms of this License. d) If a facility refers to a function or a table of data to be supplied by an application program that uses the than as an argument passed when the facility is invoked, then you must make a good faith efforthat, in the event an application does not supply such function or table, the facility still of whatever part of its purpose remains meaningful. (For example, a function in a library to comp roots has a purpose that is entirely well-defined independent of the application. Therefore, S requires that any application-supplied function or table used by this function must be optional application does not supply it, the square root function must still compute square roots.) The apply to the modified work as a whole. If identifiable sections of that work are not derived and can be reasonably considered independent and separate works in themselves, then this Lice terms, do not apply to those sections when you distribute them as separate works. But when yo the same sections as part of a whole which is a work based on the Library, the distribution o be on the terms of this License, whose permissions for other licensees extend to the entire  $\vec{w}$ to each and every part regardless of who wrote it. Thus, it is not the intent of this section contest your rights to work written entirely by you; rather, the intent is to exercise the right distribution of derivative or collective works based on the Library. In addition, mere aggreg work not based on the Library with the Library (or with a work based on the Library) on a volor distribution medium does not bring the other work under the scope of this License. 3. You the terms of the ordinary GNU General Public License instead of this License to a given copy To do this, you must alter all the notices that refer to this License, so that they refer to General Public License, version 2, instead of to this License. (If a newer version than version ordinary GNU General Public License has appeared, then you can specify that version instead i Do not make any other change in these notices. Once this change is made in a given copy, it i for that copy, so the ordinary GNU General Public License applies to all subsequent copies an works made from that copy. This option is useful when you wish to copy part of the code of the Library into a program that is not a library. 4. You may copy and distribute the Library derivative of it, under Section 2) in object code or executable form under the terms of Section provided that you accompany it with the complete corresponding machine-readable source code, be distributed under the terms of Sections 1 and 2 above on a medium customarily used for sof interchange. If distribution of object code is made by offering access to copy from a designa offering equivalent access to copy the source code from the same place satisfies the requirem distribute the source code, even though third parties are not compelled to copy the source al object code. 5. A program that contains no derivative of any portion of the Library, but is d with the Library by being compiled or linked with it, is called a "work that uses the Library isolation, is not a derivative work of the Library, and therefore falls outside the scope of However, linking a "work that uses the Library" with the Library creates an executable that i the Library (because it contains portions of the Library), rather than a "work that uses the executable is therefore covered by this License. Section 6 states terms for distribution of s When a "work that uses the Library" uses material from a header file that is part of the Libr code for the work may be a derivative work of the Library even though the source code is not. true is especially significant if the work can be linked without the Library, or if the work threshold for this to be true is not precisely defined by law. If such an object file uses on parameters, data structure layouts and accessors, and small macros and small inline functions less in length), then the use of the object file is unrestricted, regardless of whether it is work. (Executables containing this object code plus portions of the Library will still fall u Otherwise, if the work is a derivative of the Library, you may distribute the object code for terms of Section 6. Any executables containing that work also fall under Section 6, whether o linked directly with the Library itself. 6. As an exception to the Sections above, you may al "work that uses the Library" with the Library to produce a work containing portions of the Li distribute that work under terms of your choice, provided that the terms permit modification customer's own use and reverse engineering for debugging such modifications. You must give pronotice with each copy of the work that the Library is used in it and that the Library and its this License. You must supply a copy of this License. If the work during execution displays c you must include the copyright notice for the Library among them, as well as a reference dire the copy of this License. Also, you must do one of these things: a) Accompany the work with t corresponding machine-readable source code for the Library including whatever changes were us work (which must be distributed under Sections 1 and 2 above); and, if the work is an executa

the Library, with the complete machine-readable "work that uses the Library", as object code code, so that the user can modify the Library and then relink to produce a modified executable modified Library. (It is understood that the user who changes the contents of definitions filnot necessarily be able to recompile the application to use the modified definitions.) b) Acc with a written offer, valid for at least three years, to give the same user the materials spe 6a, above, for a charge no more than the cost of performing this distribution. c) If distribu made by offering access to copy from a designated place, offer equivalent access to copy the specified materials from the same place. d) Verify that the user has already received a copy materials or that you have already sent this user a copy. For an executable, the required for that uses the Library" must include any data and utility programs needed for reproducing the it. However, as a special exception, the source code distributed need not include anything the distributed (in either source or binary form) with the major components (compiler, kernel, and operating system on which the executable runs, unless that component itself accompanies the e may happen that this requirement contradicts the license restrictions of other proprietary li normally accompany the operating system. Such a contradiction means you cannot use both them Library together in an executable that you distribute. 7. You may place library facilities the on the Library side-by-side in a single library together with other library facilities not co and distribute such a combined library, provided that the separate distribution of the work b Library and of the other library facilities is otherwise permitted, and provided that you do Accompany the combined library with a copy of the same work based on the Library, uncombined other library facilities. This must be distributed under the terms of the Sections above. b) Give prominent notice with the combined library of the fact that part of i on the Library, and explaining where to find the accompanying uncombined form of the same wor may not copy, modify, sublicense, link with, or distribute the Library except as expressly pro-License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Libr. automatically terminate your rights under this License. However, parties who have received co from you under this License will not have their licenses terminated so long as such parties recompliance. 9. You are not required to accept this License, since you have not signed it. How else grants you permission to modify or distribute the Library or its derivative works. These

prohibited by law if you do not accept this License. Therefore, by modifying or distributing work based on the Library), you indicate your acceptance of this License to do so, and all it conditions for copying, distributing or modifying the Library or works based on it. 10. Each redistribute the Library (or any work based on the Library), the recipient automatically rece the original licensor to copy, distribute, link with or modify the Library subject to these to You may not impose any further restrictions on the recipients' exercise of the rights granted not responsible for enforcing compliance by third parties to this License. 11. If, as a conse judgment or allegation of patent infringement or for any other reason (not limited to patent are imposed on you (whether by court order, agreement or otherwise) that contradict the condi License, they do not excuse you from the conditions of this License. If you cannot distribute simultaneously your obligations under this License and any other pertinent obligations, then consequence you may not distribute the Library at all. For example, if a patent license would royalty-free redistribution of the Library by all those who receive copies directly or indire the only way you could satisfy both it and this License would be to refrain entirely from dis Library. If any portion of this section is held invalid or unenforceable under any particular balance of the section is intended to apply, and the section as a whole is intended to apply circumstances. It is not the purpose of this section to induce you to infringe any patents or right claims or to contest validity of any such claims; this section has the sole purpose of integrity of the free software distribution system which is implemented by public license prapeople have made generous contributions to the wide range of software distributed through tha reliance on consistent application of that

system; it is up to the author/donor to decide if he or she is willing to distribute software system and a licensee cannot impose that choice. This section is intended to make thoroughly believed to be a consequence of the rest of this License. 12. If the distribution and/or use restricted in certain countries either by patents or by copyrighted interfaces, the original places the Library under this License may add an explicit geographical distribution limitation countries, so that distribution is permitted only in or among countries not thus excluded. In License incorporates the limitation as if written in the body of this License. 13. The Free S may publish revised and/or new versions of the Library General Public License from time to time versions will be similar in spirit to the present version, but may differ in detail to addres concerns. Each version is given a distinguishing version number. If the Library specifies a v this License which applies to it and "any later version", you have the option of following the conditions either of that version or of any later version published by the Free Software Found Library does not specify a license version number, you may choose any version ever published Software Foundation. 14. If you wish to incorporate parts of the Library into other free prog distribution conditions are incompatible with these, write to the author to ask for permission which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; make exceptions for this. Our decision will be guided by the two goals of preserving the free derivatives of our free software and of promoting the sharing and reuse of software generally WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 US. is permitted to copy and distribute verbatim copies of this license document, but changing it [This is the first released version of the Lesser GPL. It also counts as the successor of the Public License, version 2, hence the version number 2.1.] Preamble The licenses for most soft

designed to take away your freedom to share and change it. By contrast, the GNU General Public are intended to guarantee your freedom to share and change free software--to make sure the so for all its users. This license, the Lesser General Public License, applies to some specially software packages--typically libraries--of the Free Software Foundation and other authors who it. You can use it too, but we suggest you first think carefully about whether this license o General Public License is the better strategy to use in any particular case, based on the exp When we speak of free software, we are referring to freedom of use, not price. Our General Pub are designed to make sure that you have the freedom to distribute copies of free software (and this service if you wish); that you receive source code or can get it if you want it; that you software and use pieces of it in new free programs; and that you are informed that you can do To protect your rights, we need to make restrictions that forbid distributors to deny you the you to surrender these rights. These restrictions translate to certain responsibilities for you copies of the library or if you modify it. For example, if you distribute copies of the library a fee, you must give the recipients all the rights that we gave you. You must make sure that or can get the source code. If you link other code with the library, you must provide complete the recipients, so that they can relink them with the library after making changes to the library recompiling it. And you must show them these terms so they know their rights. We protect your two-step method: (1) we copyright the

library, and (2) we offer you this license, which gives you legal permission to copy, distrib the library. To protect each distributor, we want to make it very clear that there is no warr library. Also, if the library is modified by someone else and passed on, the recipients should they have is not the original version, so that the original author's reputation will not be a that might be introduced by others. Finally, software patents pose a constant threat to the e free program. We wish to make sure that a company cannot effectively restrict the users of a obtaining a restrictive license from a patent holder. Therefore, we insist that any patent li version of the library must be consistent with the full freedom of use specified in this lice. software, including some libraries, is covered by the ordinary GNU General Public License. Th GNU Lesser General Public License, applies to certain designated libraries, and is quite diff ordinary General Public License. We use this license for certain libraries in order to permit libraries into non-free programs. When a program is linked with a library, whether statically library, the combination of the two is legally speaking a combined work, a derivative of the The ordinary General Public License therefore permits such linking only if the entire combina criteria of freedom. The Lesser General Public License permits more lax criteria for linking the library. We call this license the "Lesser" General Public License because it does Less to user's freedom than the ordinary General Public License. It also provides other free software Less of an advantage over competing non-free programs. These disadvantages are the reason we ordinary General Public License for many libraries. However, the Lesser license provides adva certain special circumstances. For example, on rare occasions, there may be a special need to the widest possible use of a certain library, so that it becomes a de-facto standard. To achiprograms must be allowed to use the library. A more frequent case is that a free library does widely used non-free libraries. In this case, there is little to gain by limiting the free li only, so we use the Lesser General Public License. In other cases, permission to use a partic non-free programs enables a greater number of people to use a large body of free software. Fo permission to use the GNU C Library in non-free programs enables many more people to use the operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does user of a program that is linked with the Library has the freedom and the wherewithal to run using a modified version of the Library. The precise terms and conditions for copying, distri modification follow. Pay close attention to the difference between a "work based on the libra that uses the library". The former contains code derived from the library, whereas the latter combined with the library in order to run. GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder authorized party saying it may be distributed under the terms of this Lesser General Public L called "this License"). Each licensee is addressed as "you". A "library" means a collection o functions and/or data prepared so as to be conveniently linked with application programs (whi those functions and data) to form executables. The "Library", below, refers to any such softw. work which has been distributed under these terms. A "work based on the Library" means either or any derivative work under copyright law: that is to say, a work containing the Library or either verbatim or with modifications and/or translated straightforwardly into another langua translation is included without limitation in the term "modification".) "Source code" for a w preferred form of the work for making modifications to it. For a library, complete source code source code for all modules it contains, plus any associated interface definition files, plus control compilation and installation of the library. Activities other than copying, distribut are not covered by this License; they are outside its scope. The act of running a program usin not restricted, and output from such a program is covered only if its contents constitute a we Library (independent of the use of the Library in a tool for writing it). Whether that is true Library does and what the program that uses the Library does. 1. You may copy and distribute copies of the Library's complete source code as you receive it, in any medium, provided that y conspicuously and appropriately publish on each copy an appropriate copyright notice and disc warranty; keep intact all the notices that refer to this License and to the absence of any way distribute a copy of this License along with the Library. You may charge a fee for the physical transferring a copy,

and you may at your option offer warranty protection in exchange for a fee. 2. You may modify copies of the Library or any portion of it, thus forming a work based on the Library, and cop such modifications or work under the terms of Section 1 above, provided that you also meet al conditions: a) The modified work must itself be a software library. b) You must cause the file carry prominent notices stating that you changed the files and the date of any change. c) You whole of the work to be licensed at no charge to all third parties under the terms of this Li in the modified Library refers to a function or a table of data to be supplied by an applicat uses the facility, other than as an argument passed when the facility is invoked, then you mu faith effort to ensure that, in the event an application does not supply such function or tab operates, and performs whatever part of its purpose remains meaningful. (For example, a funct to compute square roots has a purpose that is entirely well-defined independent of the applic. Subsection 2d requires that any application-supplied function or table used by this function if the application does not supply it, the square root function must still compute square roo requirements apply to the modified work as a whole. If identifiable sections of that work are the Library, and can be reasonably considered independent and separate works in themselves, t License, and its terms, do not apply to those sections when you distribute them as separate w you distribute the same sections as part of a whole which is a work based on the Library, the the whole must be on the terms of this License, whose permissions for other licensees extend whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent claim rights or contest your rights to work written entirely by you; rather, the intent is to control the distribution of derivative or collective works based on the Library. In addition, another work not based on the Library with the Library (or with a work based on the Library) storage or distribution medium does not bring the other work under the scope of this License. to apply the terms of the ordinary GNU General Public License instead of this License to a gi Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this Lic version than version 2 of the ordinary GNU General Public License has appeared, then you can version instead if you wish.) Do not make any other change in these notices. Once this change

version instead if you wish.) Do not make any other change in these notices. Once this change given copy, it is irreversible for that copy, so the ordinary GNU General Public License appl subsequent copies and derivative works made from that copy. This option is useful when you wi part of the code of the Library into a program that is not a library. 4. You may copy and dis (or a portion or derivative of it, under Section 2) in object code or executable form under to Sections 1 and 2 above provided that you accompany it with the complete corresponding machine source code, which must be distributed under the terms of Sections 1 and 2 above on a medium used for software interchange. If distribution of object code is made by offering access to c designated place, then offering equivalent access to copy the source code from the same place requirement to distribute the source code, even though third parties are not compelled to cop along with the object code. 5. A program that contains no derivative of any portion of the Library source code. designed to work with the Library by being compiled or linked with it, is called a "work that Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside License. However, linking a "work that uses the Library" with the Library creates an executab derivative of the Library (because it contains portions of the Library), rather than a "work library". The executable is therefore covered by this License. Section 6 states terms for dis executables. When a "work that uses the Library" uses material from a header file that is par the object code for the work may be a derivative work of the Library even though the source c Whether this is true is especially significant if the work can be linked without the Library, a library. The threshold for this to be true is not precisely defined by law. If such an obje numerical parameters, data structure layouts and accessors, and small macros and small inline (ten lines or less in length), then the use of the object file is unrestricted, regardless of derivative work. (Executables containing this object code plus portions of the Library will s Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the obj work under the terms of Section 6. Any executables containing that work also fall under Section whether or not they are linked directly with the Library itself. 6. As an exception to the Se may also combine or link a "work that uses the Library" with the Library to produce a work co. of the Library, and distribute that work under terms of your choice, provided that the terms of the work for the customer's own use and reverse engineering for debugging such modification give prominent notice with each copy of the work that the Library is used in it and that the are covered by this License. You must supply a copy of this License. If the work during execu copyright notices, you must include the copyright notice for the Library among them, as well directing the user to the copy of this License. Also, you must do one of these things: a) Acc with the complete corresponding machine-readable source code for the Library including whateve were used in the work (which must be distributed under Sections 1 and 2 above); and, if the w executable linked with the Library, with the complete machine-readable "work that uses the Li object code and/or source code, so that the user can modify the Library and then relink to pr executable containing the modified Library. (It is understood that the user who changes the c definitions files in the Library will not necessarily be able to recompile the application to definitions.) b) Use a suitable shared library mechanism for linking with the Library. A suit one that (1) uses at run time a copy of the library already present on the user's computer sy copying library functions into the executable, and (2) will operate properly with a modified library, if the user installs one, as long as the modified version is interface-compatible wi the work was made with. c) Accompany the work with a written offer, valid for at least three same user the materials specified in Subsection 6a, above, for a charge no more than the cost this distribution. d) If distribution of the work is made by offering access to copy from a d offer equivalent access to copy the above specified materials from the same place. e) Verify already received a copy of these materials or that you have already sent this user a copy. Fo the required form of the "work that uses the Library" must include any data and utility progr. reproducing the executable from it. However, as a special exception, the materials to be dist include anything that is normally distributed (in either source or binary form) with the majo (compiler, kernel, and so on) of the operating system on

which the executable runs, unless that component itself accompanies the executable. It may hap requirement contradicts the license restrictions of other proprietary libraries that do not no the operating system. Such a contradiction means you cannot use both them and the Library toge executable that you distribute. 7. You may place library facilities that are a work based on a side in a single library together with other library facilities not covered by this License, a combined library, provided that the separate distribution of the work based on the Library and library facilities is otherwise permitted, and provided that you do these two things: a) Accor combined library with a copy of the same work based on the Library, uncombined with any other facilities. This must be distributed under the terms of the Sections above. b) Give prominent

combined library of the fact that part of it is a work based on the Library, and explaining w accompanying uncombined form of the same work. 8. You may not copy, modify, sublicense, link distribute the Library except as expressly provided under this License. Any attempt otherwise modify, sublicense, link with, or distribute the Library is void, and will automatically term under this License. However, parties who have received copies, or rights, from you under this have their licenses terminated so long as such parties remain in full compliance. 9. You are accept this License, since you have not signed it. However, nothing else grants you permission distribute the Library or its derivative works. These actions are prohibited by law if you do License. Therefore, by modifying or distributing the Library (or any work based on the Librar your acceptance of this License to do so, and all its terms and conditions for copying, distr modifying the Library or works based on it. 10. Each time you redistribute the Library (or an the Library), the recipient automatically receives a license from the original licensor to co with or modify the Library subject to these terms and conditions. You may not impose any furt on the recipients' exercise of the rights granted herein. You are not responsible for enforcia third parties with this License. 11. If, as a consequence of a court judgment or allegation o infringement or for any other reason (not limited to patent issues), conditions are imposed of court order, agreement or otherwise) that contradict the conditions of this License, they do from the conditions of this License. If you cannot

distribute so as to satisfy simultaneously your obligations under this License and any other obligations, then as a consequence you may not distribute the Library at all. For example, if would not permit royalty-free redistribution of the Library by all those who receive copies d through you, then the only way you could satisfy both it and this License would be to refrain distribution of the Library. If any portion of this section is held invalid or unenforceable circumstance, the balance of the section is intended to apply, and the section as a whole is in other circumstances. It is not the purpose of this section to induce you to infringe any p property right claims or to contest validity of any such claims; this section has the sole pu the integrity of the free software distribution system which is implemented by public license people have made generous contributions to the wide range of software distributed through tha reliance on consistent application of that system; it is up to the author/donor to decide if distribute software through any other system and a licensee cannot impose that choice. This s intended to make thoroughly clear what is believed to be a consequence of the rest of this Li distribution and/or use of the Library is restricted in certain countries either by patents o interfaces, the original copyright holder who places the Library under this License may add a geographical distribution limitation excluding those countries, so that distribution is permi among countries not thus excluded. In such case, this License incorporates the limitation as body of this License. 13. The Free Software Foundation may publish revised and/or new version Lesser General Public License from time to time. Such new versions will be similar in spirit version, but may differ in detail to address new problems or concerns. Each version is given version number. If the Library specifies a version number of this License which applies to it version", you have the option of following the terms and conditions either of that version or version published by the Free Software Foundation. If the Library does not specify a license you may choose any version ever published by the Free Software Foundation. 14. If you wish to parts of the Library into other free programs whose distribution conditions are incompatible to the author to ask for permission. For software which is copyrighted by the Free Software  ${\rm F}$ to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be two goals of preserving the free status of all derivatives of our free software and of promot reuse of software generally.

NO WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS WebM container parser and writer.

Project Homepage: http://www.webmproject.org/code/

Copyright (c) 2010, Google Inc. All rights reserved. Redistribution and use in source and bin without modification, are permitted provided that the following conditions are met: \* Redistr code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of Google nor the names of its contributors may be used to endorse or promote products d this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. WebP image encoder/decoder

Project Homepage: http://developers.google.com/speed/webp

Copyright (c) 2010, Google Inc. All rights reserved. Redistribution and use in source and bin without modification, are permitted provided that the following conditions are met: \* Redistr code must retain the above copyright notice, this list of conditions and the following discla Redistributions in binary form must reproduce the above copyright notice, this list of condit following disclaimer in the documentation and/or other materials provided with the distribution name of Google nor the names of its contributors may be used to endorse or promote products d this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Additional IP Rights Grant (Patents) ------ "These implementation and the second secon copyrightable works that implement the WebM codecs distributed by Google as part of the WebM Google hereby grants to you a perpetual, worldwide, non-exclusive, no-charge, royalty-free, i (except as stated in this section) patent license to make, have made, use, offer to sell, sel and otherwise

run, modify and propagate the contents of these implementations of WebM, where such license ap to those patent claims, both currently owned by Google and acquired in the future, licensable are necessarily infringed by these implementations of WebM. This grant does not include claims be infringed only as a consequence of further modification of these implementations. If you of exclusive licensee institute or order or agree to the institution of patent litigation or any enforcement activity against any entity (including a cross-claim or counterclaim in a lawsuit) of these implementations of WebM or any code incorporated within any of these implementations constitute direct or contributory patent infringement, or inducement of patent infringement, f rights granted to you under this License for these implementations of WebM shall terminate as such litigation is filed.

WebRTC

# Project Homepage: http://www.webrtc.org

Copyright (c) 2011, The WebRTC project authors. All rights reserved. Redistribution and use in binary forms, with or without modification, are permitted provided that the following condition Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. \* Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di Neither the name of Google nor the names of its contributors may be used to endorse or promote derived from this software without specific prior written permission. THIS SOFTWARE IS PROVID THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### Weston - reference Wayland compositor

# Project Homepage: https://gitlab.freedesktop.org/wayland/weston

Copyright (c) 2008-2012 Kristian Høgsberg Copyright (c) 2010-2012 Intel Corporation Copyright Benjamin Franzke Copyright (c) 2011-2012 Collabora, Ltd. Copyright (c) 2010 Red Hat <mjg@redhat.com&gt; Permission is hereby granted, free of charge, to any person obtaining software and associated documentation files (the "Software"), to deal in the Software without including without limitation the rights to use, copy, modify, merge, publish, distribute, sub copies of the Software, and to permit persons to whom the Software is furnished to do so, sub following conditions: The above copyright notice and this permission notice (including the new shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROV IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. --- The above is the version of the MIT "Expat" License usby X.org: http://cgit.freedesktop.org/xorg/xserver/tree/COPYING

# Windows Template Library (WTL)

# Project Homepage: https://sourceforge.net/projects/wtl/files/WTL%2010/

Microsoft Public License (MS-PL) This license governs use of the accompanying software. If you software, you accept this license. If you do not accept the license, do not use the software. terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning under U.S. copyright law. A "contribution" is the original software, or any additions or charms software. A "contributor" is any person that distributes its contribution under this

license. "Licensed patents" are a contributor's patent claims that read directly on its contr Rights (A) Copyright Grant- Subject to the terms of this license, including the license condi limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free to reproduce its contribution, prepare derivative works of its contribution, and distribute i derivative works that you create. (B) Patent Grant- Subject to the terms of this license, inc conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwin license under its licensed patents to make, have made, use, sell, offer for sale, import, and dispose of its contribution in the software or derivative works of the contribution in the so and Limitations (A) No Trademark License- This license does not grant you rights to use any c name, logo, or trademarks. (B) If you bring a patent claim against any contributor over paten are infringed by the software, your patent license from such contributor to the software ends (C) If you distribute any portion of the software, you must retain all copyright, patent, traattribution notices that are present in the software. (D) If you distribute any portion of the code form, you may do so only under this license by including a complete copy of this license distribution. If you distribute any portion of the software in compiled or object code form, under a license that complies with this license. (E) The software is licensed "as-is." You be it. The contributors give no express warranties, guarantees or conditions. You may have addit rights under your local laws which this license cannot change. To the extent permitted under the contributors exclude the implied warranties of merchantability, fitness for a particular infringement.

#### woff2

# Project Homepage: https://github.com/google/woff2

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding sh. beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Enti permissions granted by this License. "Source" form shall mean the preferred form for making m including but not limited to software source code, documentation source, and configuration fi form shall mean any form resulting from mechanical transformation or translation of a Source but not limited to compiled object code, generated documentation, and conversions to other me "Work" shall mean the work of authorship, whether in Source or Object form, made available un License, as indicated by a copyright notice that is included in or attached to the work (an e in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object for based on (or derived from) the Work and for which the editorial revisions, annotations, elabo modifications represent, as a whole, an original work of authorship. For the purposes of this Derivative Works shall not include works that remain separable from, or merely link (or bind 1 interfaces of, the Work and Derivative Works thereof. "Contribution" shall mean any work of a including the original version of the Work and any modifications or additions to that Work or thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purp definition, "submitted" means any form of electronic, verbal, or written communication sent to its representatives, including but not limited to communication on electronic mailing lists, s systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the discussing and improving the Work, but excluding communication that is conspicuously marked or designated in writing by the copyright owner as "Not a Contribution." "Contributor" shall mean any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor subsequently incorporated within the Work. 2. Grant of Copyright License. Subject to the terms conditions of

this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, public perform, sublicense, and distribute the Work and such Derivative Works in Source or Object fo Patent License. Subject to the terms and conditions of this License, each Contributor hereby perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer t such license applies only to those patent claims licensable by such Contributor that are nece by their Contribution(s) alone or by combination of their Contribution(s) with the Work to wh Contribution(s) was submitted. If You institute patent litigation against any entity (includi counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the W direct or contributory patent infringement, then any patent licenses granted to You under thi Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may repr copies of the Work or Derivative Works thereof in any medium, with or without modifications, or Object form, provided that You meet the following conditions: (a) You must give any other Work or Derivative Works a copy of this License; and (b) You must cause any modified files to prominent notices stating that You changed the files; and (c) You must retain, in the Source Derivative Works that You distribute, all copyright, patent, trademark, and attribution notic form of the Work, excluding those notices that do not pertain to any part of the Derivative W. the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works distribute must include a readable copy of the attribution notices contained within such NOTI excluding those notices that do not pertain to any part of the Derivative Works, in at least places: within a NOTICE text file distributed as part of the Derivative Works; within the Sou documentation, if provided along with the Derivative Works; or, within a display generated by Works, if and wherever such third-party notices normally appear. The contents of the NOTICE f informational purposes only and do not modify the License. You may add Your own attribution n Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the provided that such additional attribution notices cannot be construed as modifying the Licens You may add Your own copyright statement to Your modifications and may provide additional or license terms and conditions for use, reproduction, or distribution of Your modifications, or Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work of complies with the conditions stated in this License. 5. Submission of Contributions. Unless Y state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to be under the terms and conditions of this License, without any additional terms or conditions Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate agreement you may have executed with Licensor regarding such Contributions. 6. Trademarks. Th does not grant permission to use the trade names, trademarks, service marks, or product names Licensor, except as required for reasonable and customary use in describing the origin of the reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including

without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted Contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS

APPENDIX: How to apply the Apache License to your work. To apply the Apache License to your we attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced we identifying information. (Don't include the brackets!) The text should be enclosed in the approximate for the file format. We also recommend that a file or class name and description of pur included on the same "printed page" as the copyright notice for easier identification within archives. Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version "License"); you may not use this file except in compliance with the License. You may obtain a License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or again writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WE OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Wuffs (Wrangling Untrusted File Formats Safely)

Project Homepage: https://github.com/google/wuffs

Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION 1. Definitions. "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is License. "Legal Entity" shall mean the union of the acting entity and all other entities that controlled by, or are under common control with that entity. For the purposes of this definit means (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shbeneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by a "Source" form shall mean the preferred form for making modifications, including but not limit source code, documentation source, and configuration files. "Object" form shall mean any form mechanical transformation or translation of a Source form, including but not limited to compil generated documentation, and conversions to other media types. "Work" shall mean the work of a whether in Source or Object form, made available under the License, as indicated by a copyrigh is included in or attached to the work (an example is provided in the Appendix below). "Derivashall mean any work, whether in Source or Object form, that is based on (or derived from) the which the editorial revisions, annotations, elaborations, or other modifications represent, as original work of authorship. For the purposes of this License, Derivative Works shall not incluremain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative shall mean and the second se

thereof. "Contribution" shall mean any work of authorship, including the original version of modifications or additions to that Work or Derivative Works thereof, that is intentionally su for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorize behalf of the copyright owner. For the purposes of this definition, "submitted" means any form verbal, or written communication sent to the Licensor or its representatives, including but n communication on electronic mailing lists, source code control systems, and issue tracking sy managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Wor excluding communication that is conspicuously marked or otherwise designated in writing by the owner as "Not a Contribution." "Contributor" shall mean Licensor and any individual or Legal 3 of whom a Contribution has been received by Licensor and subsequently incorporated within the Grant of Copyright License. Subject to the terms and conditions of this License, each Contrib grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable cop reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and d Work and such Derivative Works in Source or Object form. 3. Grant of Patent License. Subject and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to mak use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies patent claims licensable by such Contributor that are necessarily infringed by their Contribu combination of their Contribution(s) with the Work to which such Contribution(s) was submitted institute patent litigation against any entity (including a cross-claim or counterclaim in a the Work or a Contribution incorporated within the Work constitutes direct or contributory pa then any patent licenses granted to You under this License for that Work shall terminate as o litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work o thereof in any medium, with or without modifications, and in Source or Object form, provided the following conditions: (a) You must give any other recipients of the Work or Derivative Wo License; and (b) You must cause any modified files to carry prominent notices stating that Yo files; and (c) You must retain, in the Source form of any Derivative Works that You distribut patent, trademark, and attribution notices from the Source form of the Work, excluding those not pertain to any part of the Derivative Works; and (d) If the Work includes a "NOTICE" text distribution, then any Derivative Works that You distribute must include a readable copy of t notices contained within such NOTICE file, excluding those notices that do not pertain to any Derivative Works, in at least one of the following places: within a NOTICE text file distribu Derivative Works; within the Source form or documentation, if provided along with the Derivat within a display generated by the Derivative Works, if and wherever such third-party notices The contents of the NOTICE file are for informational purposes only and do not modify the Lic add Your own attribution notices within Derivative Works that You distribute, alongside or as the NOTICE text from the Work, provided that such additional attribution notices cannot be co modifying the License. You may add Your own copyright statement to Your modifications and may additional or different license terms and conditions for use, reproduction, or distribution o or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution otherwise complies with the conditions stated in this License. 5. Submission of Contributions explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Wor by You to the Licensor shall be under the terms and conditions of this License, without any a or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms license agreement you may have executed with Licensor regarding such Contributions. 6. Tradem. License does not grant permission to use the trade names, trademarks, service marks, or produ the Licensor, except as required for reasonable and customary use in describing the origin of reproducing the content of the NOTICE file. 7. Disclaimer of Warranty. Unless required by app agreed to in writing, Licensor provides the Work (and each Contributor provides its Contribut IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including

without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriaten of using or redistributing the Work and assume any risks associated with Your exercise of per this License. 8. Limitation of Liability. In no event and under no legal theory, whether in t negligence), contract, or otherwise, unless required by applicable law (such as deliberate an negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, direct, indirect, special, incidental, or consequential damages of any character arising as a License or out of the use or inability to use the Work (including but not limited to damages goodwill, work stoppage, computer failure or malfunction, or any and all other commercial dam. losses), even if such Contributor has been advised of the possibility of such damages. 9. Acc or Additional Liability. While redistributing the Work or Derivative Works thereof, You may c and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligation consistent with this License. However, in accepting such obligations, You may act only on You and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree defend, and hold each Contributor harmless for any liability incurred by, or claims asserted Contributor by reason of your accepting any such warranty or additional liability. END OF TERM CONDITIONS

xdg-mime

### Project Homepage: http://freedesktop.org

Licensed under the Academic Free License version 2.0 (below) Or under the following terms: This library is free software; you can redistribute it and/or modify it under the terms of the General Public License as published by the Free Software Foundation; either version 2 of the your option) any later version. This library is distributed in the hope that it will be usefu WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received of the GNU Lesser General Public License along with this library; if not, write to the Free S Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA. ----------- Academic Free License v. 2.0 ---------- This Academic Free License (the "License") applies to any original work of "Original Work") whose owner (the "Licensor") has placed the following notice immediately fol copyright notice for the Original Work: Licensed under the Academic Free License version 2.0 Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perp. sublicenseable license to do the following: a) to reproduce the Original Work in copies; b) to derivative works ("Derivative Works") based upon the Original Work; c) to distribute copies o Work and Derivative Works to the public; d) to perform the Original Work publicly; and e) to  $\cdot$ Original Work publicly. 2) Grant of Patent License. Licensor hereby grants You a world-wide, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and o Original Work and Derivative Works. 3) Grant of Source Code License. The term "Source Code" m preferred form of the Original Work for making modifications to it and all available document. how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of Code of the Original Work along with each copy of the Original Work that Licensor distributes reserves the right to satisfy this obligation by placing a machine-readable copy of the Source information repository reasonably calculated to permit inexpensive and convenient access by Yas Licensor continues to distribute the Original Work, and by publishing the address of that repository in a notice immediately following

the copyright notice that applies to the Original Work. 4) Exclusions From License Grant. Neis of Licensor, nor the names of any contributors to the Original Work, nor any of their trademar marks, may be used to endorse or promote products derived from this Original Work without expr written permission of the Licensor. Nothing in this License shall be deemed to grant any right

copyrights, patents, trade secrets or any other intellectual property of Licensor except as e herein. No patent license is granted to make, use, sell or offer to sell embodiments of any p than the licensed claims defined in Section 2. No right is granted to the trademarks of Licen marks are included in the Original Work. Nothing in this License shall be interpreted to proh licensing under different terms from this License any Original Work that Licensor otherwise w right to license. 5) This section intentionally omitted. 6) Attribution Rights. You must reta Code of any Derivative Works that You create, all copyright, patent or trademark notices from Code of the Original Work, as well as any notices of licensing and any descriptive text ident "Attribution Notice." You must cause the Source Code for any Derivative Works that You create prominent Attribution Notice reasonably calculated to inform recipients that You have modified Work. 7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright the Original Work and the patent rights granted herein by Licensor are owned by the Licensor sublicensed to You under the terms of this License with the permission of the contributor(s) copyrights and patent rights. Except as expressly stated in the immediately proceeding senten Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY o FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. license to Original Work is granted hereunder except under this disclaimer. 8) Limitation of circumstances and under no legal theory, whether in tort (including negligence), contract, or the Licensor be liable to any person for any direct, indirect, special, incidental, or conseq any character arising as a result of this License or the use of the Original Work including, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all commercial damages or losses. This limitation of liability shall not apply to liability for d resulting from Licensor's negligence to the extent applicable law prohibits such limitation. do not allow the exclusion or limitation of incidental or consequential damages, so this excl limitation may not apply to You. 9) Acceptance and Termination. If You distribute copies of t or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the assent of recipients to the terms of this License. Nothing else but this License (or another between Licensor and You) grants You permission to create Derivative Works based upon the Ori or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except of this License (or another written agreement between Licensor and You) is expressly prohibit copyright law, the equivalent laws of other countries, and by international treaty. Therefore of the rights granted to You in Section 1 herein, You indicate Your acceptance of this Licens terms and conditions. 10) Termination for Patent Action. This License shall terminate automat may no longer exercise any of the rights granted to You by this License as of the date You con action, including a cross-claim or counterclaim, for patent infringement (i) against Licensor patent applicable to software or (ii) against any entity with respect to a patent applicable (but excluding combinations of the Original Work with other software or hardware). 11) Jurisd and Governing Law. Any action or suit relating to this License may be brought only in the cou jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, laws of that jurisdiction excluding its conflict-of-law provisions. The application of the Un Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of Work outside the scope of this License or after its termination shall be subject to the requi penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other coun international treaty. This section shall survive the termination of this License. 12) Attorne action to enforce the terms of this License or seeking damages relating thereto, the prevaili. entitled to recover its costs and expenses, including, without limitation, reasonable attorne incurred in connection with such action, including any appeal of such action. This section sh termination of this License. 13) Miscellaneous. This License represents the complete agreemen the subject matter hereof. If any provision of this License is held to be unenforceable, such reformed only to the extent necessary to make it enforceable. 14) Definition of "You" in This throughout this License, whether in upper or lower case, means an individual or a legal entity rights under, and complying with all of the terms of, this License. For legal entities, "You" that controls, is controlled by, or is under common control with you. For purposes of this deemeans (i) the power, direct or indirect, to cause the direction or management of such entity, contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding she beneficial ownership of such entity. 15) Right to Use. You may use the Original Work in all we otherwise restricted or conditioned by this License or by law, and Licensor promises not to in be responsible for such uses by You. This license is Copyright (C) 2003 Lawrence E. Rosen. All reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its or xdg-user-dirs

Project Homepage: http://www.freedesktop.org/wiki/Software/xdg-user-dirs

Copyright (c) 2007 Red Hat, inc Permission is hereby granted, free of charge, to any person of of this software and associated documentation files (the "Software"), to deal in the Software restriction, including without limitation the rights to use, copy, modify, merge, publish, di and/or sell copies of the Software, and to permit persons to whom the Software is furnished to to the following conditions: The above copyright notice and this permission notice shall be in copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

xdg-utils

Project Homepage: http://portland.freedesktop.org/wiki/

# # Permission is hereby granted, free of charge, to any person obtaining a # copy of this so associated documentation files (the "Software"), # to deal in the Software without restriction limitation # the rights to use, copy, modify, merge, publish, distribute, sublicense, # and/o Software, and to permit persons to whom the # Software is furnished to do so, subject to the conditions: # # The above copyright notice and this permission notice shall be included # in a substantial portions of the Software. # # THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS # OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, # FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL # THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR # OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, # ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR # OTHER DEALINGS IN THE SOFTWARE.

xxHash

Project Homepage: https://github.com/Cyan4973/xxHash

xxHash Library Copyright (c) 2012-2014, Yann Collet All rights reserved. Redistribution and u and binary forms, with or without modification, are permitted provided that the following con-Redistributions of source code must retain the above copyright notice, this list of condition disclaimer. \* Redistributions in binary form must reproduce the above copyright notice, this and the following disclaimer in the documentation and/or other materials provided with the di SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

yasm

Project Homepage: http://www.tortall.net/projects/yasm/

Yasm is Copyright (c) 2001-2014 Peter Johnson and other Yasm developers. Yasm developers and/o contributors include: Peter Johnson Michael Urman Brian Gladman (Visual Studio build files, of Stanislav Karchebny (options parser) Mathieu Monnier (SSE4 instruction patches, NASM preproces additions) Anonymous "NASM64" developer (NASM preprocessor fixes) Stephen Polkowski (x86 inst patches) Henryk Richter (Mach-O object format) Ben Skeggs (patches, bug reports) Alexei Svitk: preprocessor)

Samuel Thibault (TASM parser and frontend) ------ Note: This document does not provide legal advice license of any part of Yasm. See the individual licenses for complete details. Consult a lawy advice. The primary license of Yasm is the 2-clause BSD license. Please use this license if ye submitting code to the project. Yasm has absolutely no warranty; not even for merchantibility particular purpose. ------ Libyasm ------ Libyasm is 2-clause or 3-clause BSD licensed, with bitvect, which is triple-licensed under the Artistic license, GPL, and LGPL. Libyasm is thus 0 compatible. In addition, this also means that libyasm is free for binary-only distribution as the 3-clause BSD license and Artistic license (as it applies to bitvect) are fulfilled. -----modules are 2-clause or 3-clause BSD licensed. ------ Frontends ------- The frontends are licensed. ------ License Texts ------ The full text of all licenses are provided source distribution. Each source file may include the entire license (in the case of the BSD a licenses), or may reference the GPL or LGPL license file. BSD.txt - 2-clause and 3-clause BSD Artistic.txt - Artistic license GNU\_GPL-2.0 - GNU General Public License GNU\_LGPL-2.0 - GNU License General Public License

zlib

Project Homepage: http://zlib.net/

version 1.2.11, January 15th, 2017 Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler The is provided 'as-is', without any express or implied warranty. In no event will the authors be damages arising from the use of this software. Permission is granted to anyone to use this soft purpose, including commercial applications, and to alter it and redistribute it freely, subject restrictions: 1. The origin of this software must not be misrepresented; you must not claim the original software. If you use this software in a product, an acknowledgment in the product dow would be appreciated but is not required. 2. Altered source versions must be plainly marked as must not be misrepresented as being the original software. 3. This notice may not be removed of from any source distribution.