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ZedGraph	5.1.7	GNU Lesser General Public License v2.1
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added two files in devpackage and changed cmakefile.txt for find_package

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December 9, 2010

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MD4 (RFC-1320) message digest.

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Freetype 2 - Bitmap Distribution Format (BDF) support

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"A generic solution to polygon clipping" Communications of the ACM, Vol 35,

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Computer

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Project Homepage:

http://software.blackmagicdesign.com/DeckLink/v10.7/Blackmagic_DeckLink_SDK_10.7.zip

Extracted from mac/include/DeckLinkAPI.h:

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C++ port of zxcvbn, an advanced password strength estimation

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Project Homepage: <https://github.com/rianhunter/zxcvbn-cpp>

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Chromium OS system API

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

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Closure compiler

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

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Cocoa extension code from Camino

Project Homepage: <http://caminobrowser.org/>

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Compact Encoding Detection

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

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Compact Language Detector v3 Project Homepage:
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dom-distiller-js

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Emoji Segmenter

Project Homepage: <https://github.com/googlei18n/emoji-segmenter>

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Expat XML Parser

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

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in the files

```

- `libavcodec/x86/flac_dsp_gpl.asm` - `libavcodec/x86/idct_mmx.c` -
- the following building and testing tools
- `compat/solaris/make_sunver.pl` - `doc/t2h.pm` - `doc/texti2pod.pl` -
- `tests/checkasm/*` - `tests/tiny_ssim.c`
- the following filters in libavfilter:
- `signature_lookup.c` - `vf_blackframe.c` - `vf_boxblur.c` -
- `vf_cover_rect.c` - `vf_cropdetect.c` - `vf_delogo.c` - `vf_eq.c` -
- `vf_fspp.c` - `vf_histeq.c` - `vf_hqdn3d.c` - `vf_kerndeint.c` -
  (GPL version 3 or later) - `vf_mcdeint.c` - `vf_mpdecimate.c` -
`vf_nnedi.c`
  `vf_owdenoise.c` - `vf_perspective.c` - `vf_phase.c` - `vf_pp.c` -
`vf_pp7.c`

- `vf_pullup.c` - `vf_repeatfields.c` - `vf_sab.c` - `vf_signature.c`
-
- `vf_spp.c` - `vf_stereo3d.c` - `vf_super2xsai.c` - `vf_tinterlace.c`
-
- `vf_vaguedenoiser.c` - `vsrc_mptestsrc.c`
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  * `tests/reference.pnm` is under the expat license.

## External libraries

FFmpeg can be combined with a number of external libraries, which
sometimes
  the licensing of binaries resulting from the combination. ### Compatible

The following libraries are under GPL version 2: - avisynth - frei0r -
libcdio
libdav2 - librubberband - libvidstab - libx264 - libx265 - libxavs -
libxavs2
libxvid When combining them with FFmpeg, FFmpeg needs to be licensed as
GPL as

```

by passing `--enable-gpl` to configure. The following libraries are under LGPL

3:

- gmp - libaribb24 - liblensfun When combining them with FFmpeg, use the option `--enable-version3` to upgrade FFmpeg to the LGPL v3.

The VMAF, mbedTLS, RK MPI, OpenCORE and VisualOn libraries are under the Apache

2.0. That license is incompatible with the LGPL v2.1 and the GPL v2, but not

version 3 of those licenses. So to combine these libraries with FFmpeg, the

version needs to be upgraded by passing `--enable-version3` to configure. The

library is under the GPL v3, to combine it with FFmpeg, the options and `--enable-version3` have to be passed to configure to upgrade FFmpeg

to the

v3.

Incompatible libraries

There are certain libraries you can combine with FFmpeg whose licenses are not

with the GPL and/or the LGPL. If you wish to enable these libraries, even in

that their license may be incompatible, pass `--enable-nonfree` to configure.

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OpenSSL libraries are under licenses which are incompatible with the GPLv2 and

To the best of our knowledge, they are compatible with the LGPL.

libavcodec/arm/jrevdct_arm.S

C-like prototype :

```
void j_rev_dct_arm(DCTBLOCK data)
```

With DCTBLOCK being a pointer to an array of 64 'signed shorts'

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libavcodec/arm/vp8dsp_armv6.S

VP8 ARMv6 optimisations

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libavcodec/mips/acelp_vectors_mips.c

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libavcodec/mips/amrwbdec_mips.c

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libavcodec/mips/celp_math_mips.c

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libavcodec/mips/fft_mips.c

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  Optimized MDCT/IMDCT and FFT transforms

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*****
*****
  libavcodec/mips/mpegauddsp_mips_float.c

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*****

libavcodec/x86/xvididct.asm XVID MPEG-4 VIDEO CODEC

Conversion from gcc syntax to x264asm syntax with modifications

by Christophe Gisquet <christophe.gisquet@gmail.com>

===== SSE2 inverse discrete cosine transform =====
Copyright (C)
Pascal Massimino <skal@planet-d.net>;

Conversion to gcc syntax with modifications by Alexander Strange

Originally from dct/x86_asm/fdct_sse2_skal.asm in Xvid. Vertical pass is
an
of the scheme:
  Loeffler C., Ligtenberg A., and Moschytz C.S.: Practical Fast 1D DCT
Algorithm
  Eleven Multiplications, Proc. ICASSP 1989, 988-991.

Horizontal pass is a double 4x4 vector/matrix multiplication, (see also
Intel's
Note 922:
  http://developer.intel.com/vtune/cbts/strmsimd/922down.htm Copyright
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More details at http://skal.planet-d.net/coding/dct.html

===== MMX and XMM forward discrete cosine transform =====

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by
at AP-922 http://developer.intel.com/vtune/cbts/strmsimd/922down.htm
(See more
notes at http://developer.intel.com/vtune/cbts/strmsimd/appnotes.htm)
but in a
edition. New macro implements a column part for precise iDCT The routine
now satisfies IEEE standard 1180-1990. Copyright (C) 2000-2001 Peter
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```

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<walken@zoy.org>

<http://www.elecard.com/peter/idct.html>
<http://www.linuxvideo.org/mpeg2dec/>

These examples contain code fragments for first stage idCT 8x8 (for
rows) and
stage DCT 8x8 (for columns) conversion to gcc syntax by Michael
Niedermayer

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*****
*****
libavformat/oggparsetheora.c
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libavutil/avsscanf.c

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libswresample/version.h Version macros.

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libavcodec/mips/aacsbr_mips.c libavcodec/mips/aacsbr_mips.h

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libavformat/oggdec.c libavformat/oggdec.h libavformat/oggparseogm.c

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libavformat/oggparsevorbis.c

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FidelityFX Single Pass Downsampler

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google-glog's symbolization library

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 GVR Android SDK

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

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./test/cholesky.cpp ./test/geo_quaternion.cpp ./test/miscmatrices.cpp
./test/integer_types.cpp ./test/product_large.cpp
./test/householder.cpp ./test/geo_orthomethods.cpp
./test/array_for_matrix.cpp
./test/upperbidiagonalization.cpp ./test/nomalloc.cpp
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./test/permutationmatrices.cpp ./test/superlu_support.cpp
./test/qtvector.cpp
./test/determinant.cpp ./test/array_reverse.cpp
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./test/product_symm.cpp ./test/corners.cpp ./test/dontalign.cpp

./test/geo_alignedbox.cpp ./test/diagonalmatrices.cpp
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./test/qr_fullpivoting.cpp
./test/geo_parametrizedline.cpp ./test/eigen2/eigen2_unalignedassert.cpp
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./test/eigen2/eigen2_sparse_product.cpp
./test/eigen2/eigen2_nomalloc.cpp ./test/eigen2/eigen2_visitor.cpp
./test/eigen2/eigen2_svd.cpp ./test/eigen2/eigen2_mixingtypes.cpp
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./test/eigen2/eigen2_commainitializer.cpp
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./test/eigen2/eigen2_parametrizedline.cpp
./test/eigen2/eigen2_adjoint.cpp ./test/eigen2/eigen2_geometry.cpp
./test/eigen2/eigen2_newstdvector.cpp
./test/eigen2/eigen2_submatrices.cpp
./test/eigen2/eigen2_swap.cpp ./test/eigen2/eigen2_triangular.cpp
./test/eigen2/gsl_helper.h ./test/eigen2/eigen2_dynalloc.cpp
./test/eigen2/eigen2_map.cpp ./test/eigen2/main.h
./test/eigen2/eigen2_product_large.cpp
./test/eigen2/eigen2_first_aligned.cpp
./test/eigen2/eigen2_determinant.cpp ./test/eigen2/eigen2_sum.cpp
./test/eigen2/eigen2_regression.cpp

./test/eigen2/eigen2_product_small.cpp ./test/eigen2/eigen2_qtvector.cpp
./test/eigen2/product.h ./test/eigen2/eigen2_sparse_basic.cpp
./test/array.cpp ./test/product_syrk.cpp ./test/commainitializer.cpp
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./lapack/single.cpp ./lapack/lu.cpp ./lapack/complex_single.cpp
./demos/mix_eigen_and_c/binary_library.cpp
./demos/mix_eigen_and_c/example.c ./demos/mandelbrot/mandelbrot.cpp
./demos/opengl/icosphere.cpp ./demos/opengl/icosphere.h
./demos/opengl/quaternion_demo.h ./demos/opengl/camera.h
./demos/opengl/gpuhelper.h ./demos/opengl/trackball.cpp
./demos/opengl/quaternion_demo.cpp ./debug/gdb/printers.py
./unsupported/test/openglsupport.cpp ./unsupported/test/jacobisvd.cpp

./unsupported/test/dgmres.cpp ./unsupported/test/matrix_square_root.cpp
./unsupported/test/matrix_exponential.cpp
./unsupported/test/forward_adolc.cpp
./unsupported/test/matrix_function.cpp
./unsupported/test/sparse_extra.cpp
./unsupported/test/svd_common.h ./unsupported/test/FFTW.cpp
./unsupported/test/autodiff.cpp ./unsupported/test/gmres.cpp
./unsupported/test/levenberg_marquardt.cpp
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./unsupported/Eigen/src/AutoDiff/AutoDiffJacobian.h

```

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./unsupported/Eigen/src/Splines/Spline.h
./unsupported/Eigen/src/Splines/SplineFwd.h
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./unsupported/Eigen/src/MatrixFunctions/MatrixExponential.h

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./unsupported/Eigen/src/NumericalDiff/NumericalDiff.h
./unsupported/Eigen/src/Skyline/SkylineMatrixBase.h
./unsupported/Eigen/src/Skyline/SkylineUtil.h
./unsupported/Eigen/src/Skyline/SkylineMatrix.h
./unsupported/Eigen/SparseExtra
./unsupported/Eigen/KroneckerProduct
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./unsupported/Eigen/OpenGLSupport ./unsupported/Eigen/ArpackSupport
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./unsupported/Eigen/Skyline ./COPYING.README ./COPYING.README ./LICENSE
./LICENSE ./Eigen/Eigen2Support ./Eigen/src/Eigen2Support/VectorBlock.h
./Eigen/src/Eigen2Support/Minor.h ./Eigen/src/Eigen2Support/Lazy.h
./Eigen/src/Eigen2Support/MathFunctions.h
./Eigen/src/Eigen2Support/Geometry/Hyperplane.h
./Eigen/src/Eigen2Support/Geometry/Rotation2D.h
./Eigen/src/Eigen2Support/Geometry/RotationBase.h
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./Eigen/src/Eigen2Support/LeastSquares.h
./Eigen/src/Jacobi/Jacobi.h ./Eigen/src/misc/Kernel.h
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./Eigen/src/SparseCore/SparseUtil.h
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./Eigen/src/SparseCore/SparseDot.h
./Eigen/src/SparseCore/SparseCwiseUnaryOp.h
./Eigen/src/SparseCore/SparseBlock.h
./Eigen/src/SparseCore/CompressedStorage.h
./Eigen/src/SparseCore/MappedSparseMatrix.h
./Eigen/src/SparseCore/SparseView.h ./Eigen/src/SparseCore/SparseFuzzy.h

```

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./Eigen/src/SparseCore/SparseSelfAdjointView.h
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./Eigen/src/SparseCore/SparsePermutation.h
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./Eigen/src/Eigenvalues/Tridiagonalization.h
./Eigen/src/Eigenvalues/MatrixBaseEigenvalues.h

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./Eigen/src/LU/FullPivLU.h ./Eigen/src/UmfPackSupport/UmfPackSupport.h
./Eigen/src/OrderingMethods/Eigen_Colamd.h
./Eigen/src/QR/HouseholderQR.h
./Eigen/src/QR/FullPivHouseholderQR.h ./Eigen/src/SVD/JacobiSVD.h
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./Eigen/src/Geometry/ParametrizedLine.h
./Eigen/src/Geometry/RotationBase.h
./Eigen/src/Geometry/Umeyama.h ./Eigen/src/Geometry/Homogeneous.h
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./Eigen/src/plugins/MatrixCwiseUnaryOps.h
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./Eigen/src/Core/Ref.h ./Eigen/src/Core/SelfAdjointView.h
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./Eigen/src/Core/SolveTriangular.h

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./Eigen/src/Core/products/GeneralMatrixVector.h
./Eigen/src/Core/Reverse.h ./Eigen/src/Core/BooleanRedux.h
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./Eigen/src/Core/arch/SSE/PacketMath.h
./Eigen/src/Core/arch/SSE/Complex.h
./Eigen/src/Core/arch/NEON/PacketMath.h

```



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./Eigen/src/Core/arch/NEON/Complex.h
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./Eigen/src/Core/DiagonalProduct.h ./Eigen/src/Core/Assign.h
./Eigen/src/Core/ForceAlignedAccess.h ./Eigen/src/Core/BandMatrix.h
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./Eigen/src/Core/DenseStorage.h ./Eigen/src/Core/util/Memory.h
./Eigen/src/Core/util/BlasUtil.h ./Eigen/src/Core/util/MatrixMapper.h
./Eigen/src/Core/util/ForwardDeclarations.h ./Eigen/src/Core/util/Meta.h
./Eigen/src/Core/util/Constants.h ./Eigen/src/Core/CwiseNullaryOp.h
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./Eigen/src/SparseLU/SparseLU_pruneL.h
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./Eigen/src/IterativeLinearSolvers/ConjugateGradient.h
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./Eigen/src/Cholesky/LDLT.h
./Eigen/src/CholmodSupport/CholmodSupport.h

./Eigen/src/MetisSupport/MetisSupport.h ./Eigen/StdVector ./Eigen/Core
./Eigen/StdList ./Eigen/StdDeque ./Eigen/SparseCholesky
./scripts/relicense.py
./blas/BandTriangularSolver.h ./blas/PackedTriangularMatrixVector.h
./blas/level2_real_impl.h ./blas/level1_cplx_impl.h ./blas/level1_impl.h
./blas/level3_impl.h ./blas/single.cpp ./blas/level2_cplx_impl.h
./blas/Rank2Update.h ./blas/complex_single.cpp
./blas/double.cpp ./blas/common.h ./blas/level2_impl.h
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./Eigen/src/Eigenvalues/RealSchur_MKL.h
./Eigen/src/LU/arch/Inverse_SSE.h
./Eigen/src/LU/PartialPivLU_MKL.h ./Eigen/src/LU/PartialPivLU_MKL.h
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./Eigen/src/Core/products/GeneralMatrixMatrixTriangular_MKL.h
./Eigen/src/Core/products/TriangularSolverMatrix_MKL.h
./Eigen/src/Core/util/MKL_support.h ./Eigen/src/Cholesky/LLT_MKL.h
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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do

This is fundamentally incompatible with the aim of protecting users' freedom to the software. The systematic pattern of such abuse occurs in the area of for individuals to use, which is precisely where it is most

unacceptable.

we have designed this version of the GPL to prohibit the practice for those

If such problems arise substantially in other domains, we stand ready to extend

provision to those domains in future versions of the GPL, as needed to protect

freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on

computers, but in those that do, we wish to avoid the special danger that

applied to a free program could make it effectively proprietary. To prevent

the GPL assures that patents cannot be used to render the program non-free.

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

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The resulting work is called a "modified version" of the earlier work or a work

on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement

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copy. Propagation includes copying, distribution (with or without making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through

a
network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature

(1) displays an appropriate copyright notice, and (2) tells the user that there

no warranty for the work (except to the extent that warranties are provided),

licensees may convey the work under this License, and how to view a copy of

License. If the interface presents a list of user commands or options, such as

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1. Source Code. The "source code" for a work means the preferred form of the

for making modifications to it. "Object code" means any non-source form of a

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces

for a particular programming language, one that is widely used among developers in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging

Major Component, but which is not part of that Major Component, and (b) serves

to enable use of the work with that Major Component, or to implement a Standard

for which an implementation is available to the public in source code form. A

Component", in this context, means a major essential component (kernel, window

and so on) of the specific operating system (if any) on which the executable

runs, or a compiler used to produce the work, or an object code interpreter

to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run

object code and to modify the work, including scripts to control those. However, it does not include the work's System Libraries, or general-purpose

or generally available free programs which are used unmodified in performing

activities but which are not part of the work. For example, Corresponding includes interface definition files associated with source files for the work, the source code for shared libraries and dynamically linked subprograms that work is specifically designed to require, such as by intimate data or control flow between those subprograms and other parts of the work. The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

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A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which

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copyright are not used to limit the access or legal rights of the compilation's

beyond what the individual works permit. Inclusion of a covered work in an

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b) Convey the object code in, or embodied in, a physical product (including a distribution medium), accompanied by a written offer, valid for at least one year and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a

copy of the corresponding source for all the software in the product that is

conveyed by this license, on a durable physical medium customarily used for software

distribution, for a price no more than your reasonable cost of physically performing this

conveyance, or (2) access to copy the corresponding source from a network

at no charge. c) Convey individual copies of the object code with a copy of

a written offer to provide the corresponding source. This alternative is only occasionally and noncommercially, and only if you received the

object
with such an offer, in accord with subsection 6b. d) Convey the object
code
offering access from a designated place (gratis or for a charge), and
offer
access to the Corresponding Source in the same way through the same
place at
further charge. You need not require recipients to copy the
Corresponding
along with the object code. If the place to copy the object code is a
network
the Corresponding Source may be on a different server (operated by you
or a
party) that supports equivalent copying facilities, provided you
maintain
directions next to the object code saying where to find the
Corresponding
Regardless of what server hosts the Corresponding Source, you remain
to ensure that it is available for as long as needed to satisfy these
e) Convey the object code using peer-to-peer transmission, provided
you
other peers where the object code and Corresponding Source of the work
are
offered to the general public at no charge under 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
the object code work.
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purposes, or (2) anything designed or sold for incorporation into a
dwelling.
determining whether a product is a consumer product, doubtful cases
shall be
in favor of coverage. For a particular product received by a particular
user,
used" refers to a typical or common use of that class of product,
regardless of
status of the particular user or of the way in which the particular user
uses, or expects or is expected to use, the product. A product is a
consumer
regardless of whether the product has substantial commercial, industrial
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uses, unless such uses represent the only significant mode of use of the
"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and
modified versions of a covered work in that User Product from a modified
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information must suffice to ensure that the continued functioning of the object code is in no case prevented or interfered with solely because has been made.

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for

work that has been modified or installed by the recipient, or for the User

in which it has been modified or installed. Access to a network may be denied

the modification itself materially and adversely affects the operation of the

or violates the rules and 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

with an implementation available to the public in source code form), and must

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```
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and you are welcome to redistribute it under certain conditions; type
`show
for details.
The hypothetical commands `show w' and `show c' should show the
appropriate
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be
for a GUI interface, you would use an "about box".
```

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```
-----
applies to: ./test/metis_support.cpp ./test/sparselu.cpp
./unsupported/Eigen/src/IterativeSolvers/IterationController.h
./unsupported/Eigen/src/Eigenvalues/ArpackSelfAdjointEigenSolver.h
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Defining a
of a class defined by the Library is deemed a mode of using an interface by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which
Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for
of the Combined Work that, considered in isolation, are based on the and not on the Linked Version.

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programs needed for reproducing the Combined Work from the Application, but
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Component
Component Location Primary Author License
Main Mesa code src/ mesa/ Brian Paul Mesa (MIT)

Device drivers src/ mesa/ drivers/* See drivers See drivers Ext headers
SGI SGI Free B
    include/GL/glxext.h

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significant if the work can be linked without the Library, or if the work is 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

lines or less in length), then the use of the object file is unrestricted,

of whether it is legally a derivative work. (Executables containing this object

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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.

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Khronos header files

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Khronos reference front-end for GLSL and ESSL

Project Homepage: <https://github.com/KhronosGroup/glslang>

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LevelDB: A Fast Persistent Key-Value Store

Project Homepage: <https://github.com/google/leveldb.git>

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libaddressinput

Project Homepage: <https://github.com/googleil18n/libaddressinput>

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libavif - Library for encoding and decoding .avif files

Project Homepage: <https://github.com/AOMediaCodec/libavif>

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it, is called a "work that uses the Library". Such a work, in isolation, is not

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains

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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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions

lines or less in length), then the use of the object file is unrestricted,

of whether it is legally a derivative

work. (Executables containing this object code plus portions of the Library

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

containing that work also fall under Section 6, whether or not they are linked

with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work portions of the Library, and distribute that work under terms of your choice,

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one of these things:

a) Accompany the work with the complete corresponding machine-readable source

for the Library including whatever changes were used in the work (which must

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with the Library, with the complete machine-readable "work that uses the

as object code and/or source code, so that the user can modify the Library

then relink to produce a modified executable containing the modified Library.

is understood that the user who changes the contents of definitions files in

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A suitable mechanism is one that (1) uses at run time a copy of the library

present on the user's computer system, rather than copying library functions

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if the user installs one, as long as the modified version is

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Subsection 2d requires that any application-supplied function or table used this function must

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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 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.

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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 of the Library even though the source code is not. Whether this is true is significant if the work can be linked without the Library, or if the work is 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 (less than 100 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 with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and debugging for debugging such modifications.

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with the Library, with the complete machine-readable "work that uses the

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then relink to produce a modified

executable containing the modified Library. (It is understood that the user

changes the contents of definitions files in the Library will not necessarily

able to recompile the application to use the modified definitions.) b)

Use a

shared library mechanism for linking with the Library. A suitable mechanism

one that (1) uses at run time a copy of the library already present on the

computer system, rather than copying library functions into the executable,

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one, as long as the modified version is interface-compatible with the version

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linux-syscall-support

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 nsSMILKeySpline.cpp
 var spline = BezierEasing([0.25, 0.1, 0.25, 1.0]) spline.get(x) =>
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Protocol Buffers

Project Homepage: <https://github.com/google/protobuf>

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PSM (Private Set Membership) client side

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pyjson5

Project Homepage: <https://github.com/dpranke/pyjson5>

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pywebsocket3

Project Homepage: <https://github.com/GoogleChromeLabs/pywebsocket3/>

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Quick Color Management System

Project Homepage: <https://github.com/jrmuizel/qcms/tree/v4>

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re2 - an efficient, principled regular expression library

Project Homepage: <https://github.com/google/re2>

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Recurrent neural network for audio noise reduction

Project Homepage: <https://github.com/xiph/rnnoise>

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Contains code from <https://github.com/mozilla/language-mapping-list>

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Simple Homomorphic Encryption Library with Lattices

Project Homepage: <https://github.com/google/shell-encryption>

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simplejson

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six

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Snappy: A fast compressor/decompressor

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URI Template Parser

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url_parse

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from the same place satisfies the requirement to distribute the source
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true is especially significant if the work can be linked without the Library,

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lines or less in length), then the use of the object file is unrestricted,

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Any

containing that work also fall under Section 6, whether or not they are linked

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executable
with the Library, with the complete machine-readable "work that uses
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as object code and/or source code, so that the user can modify the
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then relink to produce a modified executable containing the modified
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definitions.) b) Use a suitable shared library mechanism for linking
with the
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library
present on the user's computer system, rather than copying library
functions
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of the
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That's all there is to it!

V8 JavaScript Engine

Project Homepage: <http://code.google.com/p/v8>

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- Valgrind client API header, located at src/third_party/valgrind/valgrind.h. This is released under the BSD license.
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also formed the basis of V8's implementation in src/wasm/c-api.cc. These libraries have their own licenses; we recommend you read them, as their may differ from the terms below.

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valgrind

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Vulkan API headers

Project Homepage: <https://github.com/KhronosGroup/Vulkan-Headers>

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VulkanMemoryAllocator

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries. This Library General Public License is intended to permit developers of programs to use free libraries, while preserving your freedom as a user of such to change the free libraries that are incorporated in them. (We have not seen to achieve this as regards changes in header files, but we have achieved it as changes in the actual functions of the Library.) The hope is that this will 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 on the library" and a "work that uses the library". The former contains code 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.

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it may be distributed under the terms of this Library General Public License

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use 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"

either the Library or any derivative work under copyright law: that is to say,

work containing the Library or a portion of it, either verbatim or with and/or translated straightforwardly into another language. (Hereinafter, 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

code for all modules it contains, plus any associated interface definition

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

using the Library is not restricted, and output from such a program is covered

if its contents constitute a work based on the Library (independent of the use

the Library in a tool for writing it). Whether that is true depends on what the

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 and appropriately publish on each copy an appropriate copyright notice

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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

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

conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that
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

parties under the terms of this License. d) If a facility in the
modified

refers to a function or a table of data to be supplied by an
application

that uses the facility, other than as an argument passed when the
facility is

then you must make a good faith effort to ensure that, in the event an
does not supply such function or table, the facility still operates,
and

whatever part of its purpose remains meaningful. (For example, a
function in

library to compute square roots has a purpose that is entirely well-
defined

of the application. Therefore, Subsection 2d requires that any
function or table used by this function must be optional: if the
application

not supply it, the square root function must still compute square
roots.)

These requirements apply to the modified work as a whole. If
identifiable

of that work are not derived from the Library, and can be reasonably
considered

and separate works in themselves, then this License, and its terms, do
not

to those

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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 of Sections 1 and 2 above provided that you accompany it with the complete machine-readable source code, which must be distributed under the terms of 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 from the same place satisfies the requirement to distribute the source code,

though third parties are not compelled to copy the source along with the object

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 it, is called a "work that uses the Library". Such a work, in isolation, is not derivative work of the Library, and therefore falls outside the scope of this

However, linking a "work that uses the Library" with the Library

creates an executable that is a derivative of the Library (because it contains of the Library), rather than a "work that uses the library". The executable is covered by this License. Section 6 states terms for distribution of such

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 of the Library even though the source code is not. Whether this is true is significant if the work can be linked without the Library, or if the work is 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 lines or less in length), then the use of the object file is unrestricted, of whether it is legally a derivative work. (Executables containing this object 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 containing that work also fall under Section 6, whether or not they are linked 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 portions of the Library, and distribute that work under terms of your choice, that the terms permit modification of the work for the customer's own use and 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

You must supply a copy of this License. If the work during execution displays notices, you must include the copyright notice for the Library among them, as a reference directing the user to the copy of this License. Also, you must one of these things:

a) Accompany the work with the complete corresponding machine-readable source 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 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 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 definitions.) b) Accompany the work with a written offer, valid for at least two years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of 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 materials from the same place.

d) Verify that the user has already received a copy of these materials or 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 system. Such a contradiction means you cannot use both them and the Library 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 covered by this License, and distribute such a combined library, provided that separate distribution of the work based on the Library and of the other library 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 uncombined with any other library facilities. This must be distributed under terms of the Sections above.
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the
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Preamble

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freedom to share and change it. By contrast, the GNU General Public
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To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these

rights.

restrictions translate to certain responsibilities for you if you distribute 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

make sure that they, too, receive or can get the source code. If you link other

with the library, you must provide complete object files to the recipients, so

they can relink them with the library after making changes to the library and

it. And you must 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 you this license, which gives you legal permission to

distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by

else and passed on, the recipients should know that what they have is not the

version, so that the original author's reputation will not be affected by

that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot

effectively restrict the users of a free program by obtaining a restrictive

from a patent holder. Therefore, we insist that any patent license obtained for

version of the library must be consistent with the full freedom of use in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General

License, applies to certain designated libraries, and is quite different from

ordinary General Public License. We use this license for certain libraries in

to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined

a derivative of the original library. The ordinary General Public License

permits such linking only if the entire combination fits its criteria of

The Lesser General Public License permits more lax criteria for linking other with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over

non-free programs. These disadvantages are the reason we use the ordinary

Public License for many libraries. However, the Lesser license provides in certain special circumstances.

For example, on rare occasions, there may be a 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 frequent case is that a free library does the same job as widely used

libraries. In this case, there is little to gain by limiting the free library

to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free programs. For example, permission to use the GNU C Library in non-free programs enables

more people to use the whole GNU operating system, as well as its variant, the operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with

the library has the freedom and the wherewithal to run that program using a version of the library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work

on the library" and a "work that uses the library". The former contains code

from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use 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"

either the Library or any derivative work under copyright law: that is to say,

work containing the Library or a portion of it, either verbatim or with and/or translated straightforwardly into another language. (Hereinafter, 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

code for all modules it contains, plus any associated interface definition

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

using the Library is not restricted, and output from such a program is covered

if its contents constitute a work based on the Library (independent of the use

the Library in a tool for writing it). Whether that is true depends on what the

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 and appropriately publish on each copy an appropriate copyright notice and

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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

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

conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that

changed the files and the date of any change. c) You must cause the whole of

work to be licensed at no charge to all third parties under the terms of this

d) If a facility in the modified Library refers to a function or a table of

to be supplied by an application program that uses the facility, other than

an argument passed when the facility is invoked, then you must make a good

effort to ensure that, in the event an application does not supply such

or table, the facility still operates, and performs whatever part of its

remains meaningful. (For example, a function in a library to compute square

has a purpose that is entirely well-defined independent of the application.

Subsection 2d requires that any application-supplied function or table used

this function must be optional: if the application does not supply it, the

root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable

of that work are not derived from the Library, and can be reasonably considered

and separate works in themselves, then this License, and its terms, do not

to those sections when you distribute them as separate works. But when you

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of the whole must be on the terms of this License, whose permissions for other

extend to the entire whole, and thus to each and every part regardless of who

it. Thus, it is not the intent of this section to claim rights or contest your

to work written entirely by you; rather, the intent is to exercise the right to

the distribution of derivative or collective works based on the Library. In

mere aggregation of another work not based on the Library with the Library (or

a work based on the Library) on a volume of a storage or distribution

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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

alter all the notices that refer to this License, so that they refer to the

GNU General Public License, version 2, instead of to this License. (If a newer

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can specify that version instead if you wish.) Do not make any other change in 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

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

of Sections 1 and 2 above provided that you accompany it with the complete

machine-readable source code, which must be distributed under the terms of

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

from the same place satisfies the requirement to distribute the source code,

though third parties are not compelled to copy the source along with the object

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

it, is called a "work that uses the Library". Such a work, in isolation, is not

derivative work of the Library, and therefore falls outside the scope of this

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains

of the Library), rather than a "work that uses the library". The executable is

covered by this License. Section 6 states terms for distribution of such

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 of the Library even though the source code is not. Whether this is true is significant if the work can be linked without the Library, or if the work is 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 (less than 100 lines or less in length), then the use of the object file is unrestricted, of whether it is legally a derivative work. (Executables containing this object 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 with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for your 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 notices, you must include the copyright notice for the Library among them, 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

as object code and/or source code, so that the user can modify the Library

then relink to produce a modified executable containing the modified Library.

is understood that the user who changes the contents of definitions files in

Library will not necessarily be able to recompile the application to use the

definitions.) b) Use a suitable shared library mechanism for linking with the

A suitable mechanism is one that (1) uses at run time a copy of the library

present on the user's computer system, rather than copying library functions

the executable, and (2) will operate properly with a modified version of the

if the user installs one, as long as the modified version is with the version that the work was made with. c) Accompany the work with a

offer, valid for at least three years, to give the same user the materials

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

from a designated place, offer equivalent access to copy the above specified

from the same place. e) Verify that the user has already received a copy of

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

from it. However, as a special exception, the materials to be distributed need

include anything that is normally distributed (in either source or binary form)

the major components (compiler, kernel, and so on) of the operating system on

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

system. Such a contradiction means you cannot use both them and the Library

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 covered by this License, and distribute such a combined library, provided that separate distribution of the work based on the Library and of the other library is otherwise permitted, and provided that you do these two things:

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WebM container parser and writer.

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WebP image encoder/decoder

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Weston - reference Wayland compositor

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Wuufs (Wrangling Untrusted File Formats Safely)

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xdg-user-dirs

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xdg-utils

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