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R&S®EPL1000 V1.20 Contents

R&S®EPL1000 V1.20 Introduction

How to obtain the source code

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added two files in devpackage and changed cmakelist.txt for find_package

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MD4 (RFC-1320) message digest.

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Breakpad, An open-source multi-platform crash reporting system

Project Homepage: https://chromium.googlesource.com/breakpad/breakpad

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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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dav1d is an AV1 decoder :)

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 in the files
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- `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/texi2pod.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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  `libavcodec/jrevdct.c` are taken from libjpeg, see the top of the files
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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 -
libdavs2 - librubberband - libvidstab - libx264 - libx265 - libxavs -
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
2.0. That license is incompatible with the LGPL v2.1 and the GPL v2, but
version 3 of those licenses. So to combine these libraries with FFmpeg,
version needs to be upgraded by passing `--enable-version3` to
configure. The
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 ### Incompatible libraries
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*********************
*****
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C-like prototype :
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 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/amrwbdec mips.c

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libavcodec/mips/celp_math_mips.c

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*****
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 Conversion from qcc syntax to x264asm syntax with modifications
by Christophe Gisquet < christophe.gisquet@gmail.com&gt;
 ====== SSE2 inverse discrete cosine transform =======
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 Conversion to gcc syntax with modifications by Alexander Strange
Originally from dct/x86 asm/fdct sse2 skal.asm in Xvid. Vertical pass is
 of the scheme:
 Loeffler C., Ligtenberg A., and Moschytz C.S.: Practical Fast 1D DCT
 Eleven Multiplications, Proc. ICASSP 1989, 988-991.
Horizontal pass is a double 4x4 vector/matrix multiplication, (see also
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 edition. New macro implements a column part for precise iDCT The routine
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These examples contain code fragments for first stage iDCT 8x8 (for
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libavcodec/fft table.h
libavcodec/mips/aacdec mips.c libavcodec/mips/aacdec mips.h
 libavcodec/mips/aacsbr mips.c libavcodec/mips/aacsbr mips.h
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libavcodec/mips/amrwbdec mips.h
libavcodec/mips/compute antialias fixed.h
 libavcodec/mips/lsp mips.h libavcodec/mips/sbrdsp mips.c
libavutil/fixed dsp.c
libavutil/mips/float dsp mips.c libavutil/mips/libm mips.h
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Lukic (zoranl@mips.com)
*****************
libavformat/oggdec.c libavformat/oggdec.h libavformat/oggparseogm.c
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libavformat/oggparsevorbis.c

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Subsection 2d requires that any application-supplied function or table $\ensuremath{\mathsf{used}}$

this function must

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function
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 significant if the work can be linked without the Library, or if the
a library. The threshold for this to be true is not precisely defined by
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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

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

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GVR Android SDK

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

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 ./test/smallvectors.cpp ./test/redux.cpp ./test/special numbers.cpp
./test/resize.cpp ./test/mixingtypes.cpp ./test/product trmv.cpp
 ./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
./test/packetmath.cpp
./test/geo transformations.cpp ./test/swap.cpp
./test/inverse.cpp ./test/product_selfadjoint.cpp
./test/product trsolve.cpp
./test/sparse solver.h ./test/mapstride.cpp
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./test/real qz.cpp ./test/ref.cpp ./test/eigensolver complex.cpp
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./test/qtvector.cpp
./test/determinant.cpp ./test/array_reverse.cpp
./test/unalignedassert.cpp
./test/product_symm.cpp ./test/corners.cpp ./test/dontalign.cpp
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./test/eigen2/eigen2 alignedbox.cpp
./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
./test/eigen2/eigen2 cwiseop.cpp
./test/eigen2/eigen2 smallvectors.cpp
./test/eigen2/eigen2 commainitializer.cpp
./test/eigen2/eigen2 hyperplane.cpp ./test/eigen2/eigen2 eigensolver.cpp
 ./test/eigen2/eigen2 sizeof.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
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./test/diagonal.cpp ./test/schur complex.cpp ./test/sizeoverflow.cpp
./bench/benchFFT.cpp ./bench/eig33.cpp ./bench/spbench/spbenchsolver.h
./lapack/complex double.cpp ./lapack/cholesky.cpp
./lapack/lapack common.h
./lapack/single.cpp ./lapack/lu.cpp ./lapack/complex single.cpp
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./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
./unsupported/test/matrix power.cpp
./{\tt unsupported/test/splines.cpp}\ ./{\tt unsupported/test/polynomialutils.cpp}
./unsupported/Eigen/IterativeSolvers
./unsupported/Eigen/src/IterativeSolvers/IncompleteLU.h
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./unsupported/Eigen/src/NonLinearOptimization/HybridNonLinearSolver.h
./unsupported/Eigen/src/BVH/KdBVH.h
./unsupported/Eigen/src/AutoDiff/AutoDiffJacobian.h
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./Eigen/src/SparseCore/SparseView.h ./Eigen/src/SparseCore/SparseFuzzy.h

./Eigen/src/SparseCore/MappedSparseMatrix.h

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./Eigen/src/SparseCore/SparsePermutation.h
./Eigen/src/Eigenvalues/ComplexEigenSolver.h
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./Eigen/src/Eigenvalues/MatrixBaseEigenvalues.h
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./Eigen/src/plugins/CommonCwiseUnaryOps.h
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./Eigen/src/Householder/BlockHouseholder.h
./Eigen/src/Core/VectorBlock.h
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./Eigen/src/Core/GlobalFunctions.h ./Eigen/src/Core/MapBase.h
./Eigen/src/Core/GenericPacketMath.h ./Eigen/src/Core/NestByValue.h
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./Eigen/src/Core/products/GeneralMatrixVector.h
./Eigen/src/Core/Reverse.h ./Eigen/src/Core/BooleanRedux.h
./Eigen/src/Core/arch/AltiVec/PacketMath.h
./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
./Eigen/src/Core/CwiseUnaryView.h ./Eigen/src/Core/Array.h
./Eigen/src/Core/Swap.h ./Eigen/src/Core/Transpositions.h
./Eigen/src/Core/IO.h ./Eigen/src/Core/SelfCwiseBinaryOp.h
./Eigen/src/Core/Select.h ./Eigen/src/Core/ArrayBase.h
./Eigen/src/Core/DiagonalProduct.h ./Eigen/src/Core/Assign.h
./Eigen/src/Core/ForceAlignedAccess.h ./Eigen/src/Core/BandMatrix.h
./Eigen/src/Core/DenseBase.h ./Eigen/src/Core/Flagged.h
./Eigen/src/Core/ProductBase.h ./Eigen/src/Core/TriangularMatrix.h
./Eigen/src/Core/DiagonalMatrix.h ./Eigen/src/Core/Dot.h
./Eigen/src/Core/PermutationMatrix.h ./Eigen/src/Core/NumTraits.h
./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
./Eigen/src/Core/GeneralProduct.h ./Eigen/src/Core/CommaInitializer.h
./Eigen/src/Core/Stride.h ./Eigen/src/SPQRSupport/SuiteSparseQRSupport.h
./Eigen/src/SparseLU/SparseLU panel dfs.h
./Eigen/src/SparseLU/SparseLU panel bmod.h
./Eigen/src/SparseLU/SparseLU Utils.h
./Eigen/src/SparseLU/SparseLU kernel bmod.h
./Eigen/src/SparseLU/SparseLU Memory.h
./Eigen/src/SparseLU/SparseLUImpl.h
./Eigen/src/SparseLU/SparseLU. Structs.h ./Eigen/src/SparseLU/SparseLU.h
./Eigen/src/SparseLU/SparseLU pruneL.h
./Eigen/src/IterativeLinearSolvers/BasicPreconditioners.h
./Eigen/src/IterativeLinearSolvers/ConjugateGradient.h
./Eigen/src/SparseCholesky/SimplicialCholesky.h
./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
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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
- ./Eigen/src/SparseCholesky/SimplicialCholesky impl.h

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o freetype@nongnu.org

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Our home page can be found at

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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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source

from the same place satisfies the requirement to distribute the source

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creates an executable that is a derivative of the Library (because it
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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
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of the Library even though the source code is not. Whether this is true
significant if the work can be linked without the Library, or if the
a library. The threshold for this to be true is not precisely defined by
  If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
lines or less in length), then the use of the object file is
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of whether it is legally a derivative work. (Executables containing this
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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
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(which must

distributed under Sections 1 and 2 above); and, if the work is an executable $% \left(1\right) =\left(1\right) \left(1$

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

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

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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

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a library. The threshold for this to be true is not precisely defined by
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lines or less in length), then the use of the object file is
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of whether it is legally a derivative work. (Executables containing this
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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 ${\ }^{\prime}$

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

is understood that the user who changes the contents of definitions files in $% \left\{ 1,2,...,n\right\}$

Library will not necessarily be able to recompile the application to

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

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are as close as possible to those of the Perl 5 language.
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of its purpose remains meaningful. (For example, a function in a library to

square roots has a purpose that is entirely well-defined independent of the

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   the square root function must still compute square roots.)
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a library. The threshold for this to be true is not precisely defined by
 If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
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as object code and/or source code, so that the user can modify the Library ${\ }^{\prime}$

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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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

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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

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Khronos reference front-end for GLSL and ESSL

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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/googlei18n/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,
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as object code and/or source code, so that the user can modify the Library ${\ }^{\prime}$

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

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definitions.) b) Use a suitable shared library mechanism for linking with the $\ensuremath{\mathsf{L}}$

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

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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

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

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively the users of a free program by obtaining a restrictive license from a patent.

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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

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It also provides other free software developers Less of an advantage

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

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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

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

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

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modified to carry prominent notices stating that you changed the files and $% \left(1\right) =\left(1\right) +\left(1\right)$

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all
  parties under the terms of this License.
  d) If a facility in the modified Library refers to a function or a
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  effort to ensure that, in the event an application does not supply
  or table, the facility still operates, and performs whatever part of
  remains meaningful. (For example, a function in a library to compute
  has a purpose that is entirely well-defined independent of the
application.
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used
  this function must
  be optional: if the application does not supply it, the square root
function
  still compute square roots.)
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to work written entirely by you; rather, the intent is to exercise the
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a work based on the Library) on a volume of a storage or distribution
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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

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

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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
of the Library even though the source code is not. Whether this is true
significant if the work can be linked without the Library, or if the
a library. The threshold for this to be true is not precisely defined by
 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
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.
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,
that the terms permit modification of the work for the customer's own
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
You must supply a copy of this License. If the work during execution
notices, you must include the copyright notice for the Library among
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
  for the Library including whatever changes were used in the work
(which must
  distributed under Sections 1 and 2 above); and, if the work is an
  with the Library, with the complete machine-readable "work that uses
t.he
  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

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

able to recompile the application to use the modified definitions.) b) Use ${\tt a}$

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.

(2) will operate properly with a modified version of the library, if the user

one, as long as the modified version is interface-compatible with the $\ensuremath{\mathsf{version}}$

the work was made with. c) Accompany the work with a written offer, valid for

least three years, to give the same user the materials specified in 6a, above, for a charge no more than the cost of performing this

d) If distribution of the work is made by offering access to copy from ${\sf a}$

place, offer equivalent access to copy the above specified materials from the $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left$

place. e) Verify that the user has already received a copy of these materials $% \left(1\right) =\left(1\right) +\left(1$

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

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  accompanying uncombined form of the same work.
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  refers to a function or a table of data to be supplied by an
   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,
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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
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from a designated place, then offering equivalent access to copy the
source

from the same place satisfies the requirement to distribute the source

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
of the Library even though the source code is not. Whether this is true
significant if the work can be linked without the Library, or if the
a library. The threshold for this to be true is not precisely defined by
 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.
containing that work also fall under Section 6, whether or not they are
with the Library itself.
 6. As an exception to the Sections above, you may also combine or
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as a reference directing the user to the copy of this License. Also, you
one of these things:
  a) Accompany the work with the complete corresponding machine-readable
  for the Library including whatever changes were used in the work
(which must
```

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

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

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 ${\tt materials}$

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 materials from the same place.

e) 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

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

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Protocol Buffers

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

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pyjson5

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

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Shaka Player

Project Homepage: https://github.com/google/shaka-player

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

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

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Alexander L. Roshal

URI Template Parser

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Vulkan API headers

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of the Library even though the source code is not. Whether this is true
significant if the work can be linked without the Library, or if the
a library. The threshold for this to be true is not precisely defined by
 If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
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.
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
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must.
one
of these things:
  a) Accompany the work with the complete corresponding machine-readable
source
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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

Library will not necessarily be able to recompile the application to

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 ${\tt materials}$

in Subsection 6a, above, for a charge no more than the cost of performing

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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 $% \left(1\right) =\left(1\right) +\left(1$

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,

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

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

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

same sections as part of a whole which is a work based on the Library, the

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 medium

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,

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though third parties are not compelled to copy the source along with the object % \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right)
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- 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

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

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

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

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

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

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) Accompany the work with a written offer, valid for at least

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

copy from a designated place, offer equivalent access to copy the above $% \left(1\right) =\left(1\right) \left(1\right) \left($

materials from the same place.

d) Verify that the user has already received a copy of these materials or $\ensuremath{\mathsf{C}}$

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 source code distributed

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

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

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

 $\ensuremath{\mathsf{system}}.$ 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

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on the library" and a "work that uses the library". The former contains code $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left($

from the library, whereas the latter must be combined with the library in order $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right)$

run.

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

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

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

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

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

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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

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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
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 If such an object file uses only numerical parameters, data
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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

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woff2

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