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Test Receiver

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

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MD4 (RFC-1320) message digest.

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Freetype 2 - Bitmap Distribution Format (BDF) support

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

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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

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Closure compiler

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Compact Encoding Detection

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

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davld is an AV1 decoder :)

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dom-distiller-js

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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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Specifically, the GPL parts of FFmpeg are: - libpostproc - optional x86 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`
Should you, for whatever reason, prefer to use version 3 of the (L)GPL,
then
  configure parameter `--enable-version3` will activate this licensing
option for
  Read the file `COPYING.LGPLv3` or, if you have enabled GPL parts,
  to learn the exact legal terms that apply in this case. There are a
handful of
  under other licensing terms, namely: * The files
`libavcodec/jfdctfst.c`,
  and
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for
  details. Specifically note that you must credit the IJG in the
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  your program if you only distribute executables. You must also indicate
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  including additions and deletions to those three files in the
documentation.
  * `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
  libdavs2 - 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.

will cause the resulting binary to be unredistributable. The Fraunhofer FDK AAC

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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OF SUCH DAMAGE. Author: Stanislav Ocovaj (socovaj@mips.com) Author:
Zoran Lukic
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
(C) 1999
  Corporation)
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
Gubanov

```

Rounding trick Copyright (C) 2000 Michel Lespinasse
<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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=====

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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/fft_table.h
libavcodec/mips/aacdec_mips.c libavcodec/mips/aacdec_mips.h
libavcodec/mips/aacsbr_mips.c libavcodec/mips/aacsbr_mips.h


```

libavcodec/mips/amrwbdec_mips.h
libavcodec/mips/compute_antialias_fixed.h
libavcodec/mips/lsp_mips.h libavcodec/mips/sbrdsp_mips.c
libavutil/float_dsp_mips.c libavutil/mips/libm_mips.h
libavutil/float_dsp_mips.c libavutil/mips/libm_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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then relink to produce a modified

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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/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

./test/mapped_matrix.cpp ./test/geo_eulerangles.cpp
./test/eigen2support.cpp
./test/stdvector.cpp ./test/nesting_ops.cpp
./test/sparse_permutations.cpp
./test/exceptions.cpp ./test/vectorwiseop.cpp ./test/cwiseop.cpp
./test/product_trmm.cpp ./test/linearstructure.cpp
./test/sparse_product.cpp
./test/stable_norm.cpp ./test/umeyama.cpp ./test/unalignedcount.cpp
./test/product_mmtr.cpp ./test/sparse_basic.cpp ./test/sparse_vector.cpp
./test/real_qz.cpp ./test/ref.cpp ./test/eigensolver_complex.cpp
./test/conjugate_gradient.cpp ./test/sparse.h
./test/simplicial_cholesky.cpp
./test/dynalloc.cpp ./test/product_notemporary.cpp
./test/geo_hyperplane.cpp
./test/qr.cpp ./test/hessenberg.cpp ./test/sizeof.cpp ./test/main.h
./test/permutationmatrices.cpp ./test/superlu_support.cpp
./test/qtvector.cpp
./test/determinant.cpp ./test/array_reverse.cpp
./test/unalignedassert.cpp
./test/product_symm.cpp ./test/corners.cpp ./test/dontalign.cpp

./test/geo_alignedbox.cpp ./test/diagonalmatrices.cpp
./test/product_small.cpp
./test/umfpack_support.cpp ./test/first_aligned.cpp
./test/qr_fullpivoting.cpp
./test/geo_parametrizedline.cpp ./test/eigen2/eigen2_unalignedassert.cpp
./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
./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
./test/qr_colpivoting.cpp ./test/nullary.cpp ./test/bandmatrix.cpp
./test/product.h ./test/block.cpp ./test/vectorization_logic.cpp
./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
./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
./unsupported/test/matrix_power.cpp
./unsupported/test/splines.cpp ./unsupported/test/polynomialutils.cpp
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./unsupported/Eigen/src/SparseExtra/MatrixMarketIterator.h
./unsupported/Eigen/src/SparseExtra/MarketIO.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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./unsupported/Eigen/src/Splines/Spline.h
./unsupported/Eigen/src/Splines/SplineFwd.h
./unsupported/Eigen/src/SVD/BDCSVD.h
./unsupported/Eigen/src/SVD/SVDBase.h
./unsupported/Eigen/src/MatrixFunctions/MatrixSquareRoot.h
./unsupported/Eigen/src/MatrixFunctions/StemFunction.h
./unsupported/Eigen/src/MatrixFunctions/MatrixExponential.h

./unsupported/Eigen/src/MatrixFunctions/MatrixFunctionAtomic.h
./unsupported/Eigen/src/LevenbergMarquardt/LevenbergMarquardt.h
./unsupported/Eigen/src/FFT/ei_kissfft_impl.h
./unsupported/Eigen/src/Polynomials/Companion.h
./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
./unsupported/Eigen/NonLinearOptimization
./unsupported/Eigen/OpenGLSupport ./unsupported/Eigen/ArpackSupport
./unsupported/Eigen/Splines ./unsupported/Eigen/MPRealSupport
./unsupported/Eigen/MoreVectorization
./unsupported/Eigen/LevenbergMarquardt
./unsupported/Eigen/FFT ./unsupported/Eigen/Polynomials
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./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
./Eigen/src/Eigen2Support/Geometry/Scaling.h

./Eigen/src/Eigen2Support/Geometry/AngleAxis.h
./Eigen/src/Eigen2Support/TriangularSolver.h
./Eigen/src/Eigen2Support/LU.h
./Eigen/src/Eigen2Support/SVD.h ./Eigen/src/Eigen2Support/Meta.h
./Eigen/src/Eigen2Support/Macros.h
./Eigen/src/Eigen2Support/LeastSquares.h
./Eigen/src/Jacobi/Jacobi.h ./Eigen/src/misc/Kernel.h
./Eigen/src/misc/Solve.h ./Eigen/src/misc/Image.h
./Eigen/src/SparseCore/SparseTranspose.h
./Eigen/src/SparseCore/SparseUtil.h
./Eigen/src/SparseCore/SparseDiagonalProduct.h
./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

```

```

./Eigen/src/SparseCore/SparseSelfAdjointView.h
./Eigen/src/SparseCore/SparseVector.h
./Eigen/src/SparseCore/AmbiVector.h
./Eigen/src/SparseCore/SparseRedux.h
./Eigen/src/SparseCore/SparsePermutation.h
./Eigen/src/Eigenvalues/ComplexEigenSolver.h
./Eigen/src/Eigenvalues/ComplexSchur.h ./Eigen/src/Eigenvalues/RealQZ.h
./Eigen/src/Eigenvalues/HessenbergDecomposition.h
./Eigen/src/Eigenvalues/Tridiagonalization.h
./Eigen/src/Eigenvalues/MatrixBaseEigenvalues.h

./Eigen/src/StlSupport/StdDeque.h ./Eigen/src/StlSupport/StdVector.h
./Eigen/src/StlSupport/details.h ./Eigen/src/SparseQR/SparseQR.h
./Eigen/src/LU/arch/Inverse_SSE.h ./Eigen/src/LU/Determinant.h
./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
./Eigen/src/Geometry/OrthoMethods.h ./Eigen/src/Geometry/AlignedBox.h
./Eigen/src/Geometry/Quaternion.h ./Eigen/src/Geometry/EulerAngles.h
./Eigen/src/Geometry/ParametrizedLine.h
./Eigen/src/Geometry/RotationBase.h
./Eigen/src/Geometry/Umeyama.h ./Eigen/src/Geometry/Homogeneous.h
./Eigen/src/Geometry/Scaling.h ./Eigen/src/Geometry/AngleAxis.h
./Eigen/src/plugins/BlockMethods.h
./Eigen/src/plugins/CommonCwiseUnaryOps.h
./Eigen/src/plugins/MatrixCwiseUnaryOps.h
./Eigen/src/Householder/Householder.h
./Eigen/src/Householder/BlockHouseholder.h
./Eigen/src/Core/VectorBlock.h
./Eigen/src/Core/Ref.h ./Eigen/src/Core/SelfAdjointView.h
./Eigen/src/Core/GlobalFunctions.h ./Eigen/src/Core/MapBase.h
./Eigen/src/Core/GenericPacketMath.h ./Eigen/src/Core/NestByValue.h
./Eigen/src/Core/SolveTriangular.h

./Eigen/src/Core/Fuzzy.h ./Eigen/src/Core/Visitor.h
./Eigen/src/Core/Map.h
./Eigen/src/Core/Diagonal.h ./Eigen/src/Core/StableNorm.h
./Eigen/src/Core/products/Parallelizer.h
./Eigen/src/Core/products/GeneralMatrixMatrixTriangular.h
./Eigen/src/Core/products/GeneralMatrixMatrix.h
./Eigen/src/Core/products/CoeffBasedProduct.h
./Eigen/src/Core/products/SelfadjointMatrixMatrix.h
./Eigen/src/Core/products/SelfadjointRank2Update.h
./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

```

```

./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_Uutils.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
./blas/double.cpp ./blas/common.h ./blas/level2_impl.h
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./Eigen/src/QR/HouseholderQR_MKL.h
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./unsupported/Eigen/src/IterativeSolvers/IterationController.h
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Headers for the Windows 10 WebAuthn API (webauthn.dll)

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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

Therefore, Subsection 2d requires that any application-supplied function or

used by this function must be optional: if the application does not

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the square root function must still compute square roots.)
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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.)

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

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

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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

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) 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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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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the

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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

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separate distribution of the work based on the Library and of the other library

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

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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.

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 2014 - 2015 MIT License Credits: is based on Firefox's
 nsSMILKeySpline.cpp
 var spline = BezierEasing([0.25, 0.1, 0.25, 1.0]) spline.get(x) =>
 returns
 easing value | x must be in [0, 1] range

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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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simplejson

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Snappy: A fast compressor/decompressor

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url_parse

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usrsrc

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V8 JavaScript Engine

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

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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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Weston - reference Wayland compositor

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Wuffs (Wrangling Untrusted File Formats Safely)

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

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xdg-user-dirs

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xdg-utils

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zlib

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version 1.2.11, January 15th, 2017

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