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https://github.com/deanm/css-color-parser-js

https://github.com/kkaefer/css-color-parser-cpp

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Lipi Toolkit

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`vf phase.c` - `vf pp.c` - `vf pp7.c` - `vf pullup.c` -
`vf_repeatfields.c` - `vf_sab.c` - `vf_signature.c`
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- libcdio - libdavs2 -
librubberband - libvidstab - libx264 - libx265 - libxavs - libxavs2 -
libxvid When combining them with
FFmpeg, FFmpeg needs to be licensed as GPL as well by passing `--
enable-gpl` to configure. The
following libraries are under LGPL version 3: - gmp - libaribb24 -
liblensfun When combining them
with FFmpeg, use the configure option `--enable-version3` to upgrade
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The VMAF, mbedTLS, RK MPI, OpenCORE and VisualOn libraries are under
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libavcodec/arm/jrevdct arm.S C-like prototype : void

j rev dct arm(DCTBLOCK data) With

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Author: Bojan Zivkovic (bojan@mips.com) MPEG Audio decoder optimized for MIPS floating-point

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******* libavcodec/x86/xvididct.asm
XVID MPEG-4 VIDEO CODEC Conversion from gcc syntax to x264asm syntax
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Originally from dct/x86 asm/fdct sse2 skal.asm in Xvid. Vertical pass
is an implementation of the
scheme: Loeffler C., Ligtenberg A., and Moschytz C.S.: Practical Fast
1D DCT Algorithm with
Eleven Multiplications, Proc. ICASSP 1989, 988-991. Horizontal pass
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contain code fragments for first stage iDCT 8x8 (for rows) and first
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conversion to gcc syntax by Michael Niedermayer

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****** libavutil/avsscanf.c

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libavcodec/fft table.h

libavcodec/mdct fixed 32.c libavcodec/mips/aacdec mips.c

libavcodec/mips/aacdec mips.h

libavcodec/mips/aacpsdsp_mips.c libavcodec/mips/aacsbr mips.c

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that any application-supplied
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only numerical parameters, data
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will not necessarily be able to recompile the application to use the
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uses at run time a copy of the library already present on the user's
computer system, rather than
copying library functions into the executable, and (2) will operate
properly with a modified version of
the library, if the user installs one, as long as the modified
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version is interface-compatible with the
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symbol: EIGEN MPL2 ONLY For
example, with most compilers, you could add this to your project
CXXFLAGS: -
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that is LGPL licensed. -----
----- Following applies to:
./test/mapstaticmethods.cpp ./test/schur_real.cpp
./test/prec inverse 4x4.cpp
./test/smallvectors.cpp ./test/redux.cpp ./test/special_numbers.cpp
./test/adjoint.cpp
./test/resize.cpp ./test/mixingtypes.cpp ./test/product trmv.cpp
./test/sparse solvers.cpp
./test/cholesky.cpp ./test/geo quaternion.cpp ./test/miscmatrices.cpp
./test/stddeque.cpp
./test/integer types.cpp ./test/product large.cpp
./test/eigensolver generic.cpp
./test/householder.cpp ./test/geo orthomethods.cpp
./test/array for matrix.cpp ./test/sparseLM.cpp
./test/upperbidiagonalization.cpp ./test/nomalloc.cpp
./test/packetmath.cpp ./test/jacobisvd.cpp
./test/geo_transformations.cpp ./test/swap.cpp
./test/eigensolver selfadjoint.cpp ./test/inverse.cpp
./test/product_selfadjoint.cpp ./test/product_trsolve.cpp
./test/product extra.cpp
./test/sparse_solver.h ./test/mapstride.cpp ./test/mapped_matrix.cpp
./test/geo eulerangles.cpp
./test/eigen2support.cpp ./test/denseLM.cpp ./test/stdvector.cpp
./test/nesting ops.cpp
./test/sparse permutations.cpp ./test/zerosized.cpp
./test/exceptions.cpp ./test/vectorwiseop.cpp
./test/cwiseop.cpp ./test/basicstuff.cpp ./test/product trmm.cpp
./{\tt test/linearstructure.cpp}
./test/sparse product.cpp ./test/stdvector overload.cpp
./test/stable norm.cpp ./test/umeyama.cpp
./test/unalignedcount.cpp ./test/triangular.cpp
./test/product mmtr.cpp ./test/sparse basic.cpp
./test/sparse_vector.cpp ./test/meta.cpp ./test/real_qz.cpp
./test/ref.cpp
./test/eigensolver complex.cpp ./test/cholmod support.cpp
./test/conjugate gradient.cpp
./test/sparse.h ./test/simplicial cholesky.cpp ./test/bicgstab.cpp
./test/dynalloc.cpp
./test/product_notemporary.cpp ./test/geo_hyperplane.cpp
./test/lu.cpp ./test/qr.cpp
./test/hessenberg.cpp ./test/sizeof.cpp ./test/main.h
./test/selfadjoint.cpp
./test/permutationmatrices.cpp ./test/superlu support.cpp
```

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./test/qtvector.cpp
./test/geo homogeneous.cpp ./test/determinant.cpp
./test/array reverse.cpp
./test/unalignedassert.cpp ./test/stdlist.cpp ./test/product symm.cpp
./test/corners.cpp
./test/dontalign.cpp ./test/visitor.cpp ./test/geo alignedbox.cpp
./test/diagonalmatrices.cpp
./test/product small.cpp ./test/eigensolver_generalized_real.cpp
./test/umfpack_support.cpp
./test/first_aligned.cpp ./test/qr_fullpivoting.cpp
./test/array replicate.cpp
./test/geo_parametrizedline.cpp
./test/eigen2/eigen2 unalignedassert.cpp
./test/eigen2/eigen2 prec inverse 4x4.cpp
./test/eigen2/eigen2 alignedbox.cpp
./test/eigen2/eigen2 sparse product.cpp ./test/eigen2/eigen2 meta.cpp
./test/eigen2/eigen2_nomalloc.cpp ./test/eigen2/eigen2_visitor.cpp
./test/eigen2/eigen2 packetmath.cpp ./test/eigen2/eigen2 svd.cpp
./test/eigen2/eigen2 mixingtypes.cpp ./test/eigen2/eigen2 qr.cpp
./test/eigen2/eigen2 cwiseop.cpp
./test/eigen2/eigen2 geometry with eigen2 prefix.cpp
./test/eigen2/eigen2 smallvectors.cpp
./test/eigen2/eigen2 commainitializer.cpp
./test/eigen2/eigen2_sparse_solvers.cpp
./test/eigen2/eigen2 hyperplane.cpp
./test/eigen2/eigen2 eigensolver.cpp
./test/eigen2/eigen2 linearstructure.cpp
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./test/eigen2/eigen2 parametrizedline.cpp ./test/eigen2/eigen2 lu.cpp
./test/eigen2/eigen2 adjoint.cpp ./test/eigen2/eigen2 geometry.cpp
./test/eigen2/eigen2 stdvector.cpp
./test/eigen2/eigen2 newstdvector.cpp
./test/eigen2/eigen2 submatrices.cpp ./test/eigen2/sparse.h
./test/eigen2/eigen2 swap.cpp
./test/eigen2/eigen2_triangular.cpp
./test/eigen2/eigen2 basicstuff.cpp ./test/eigen2/gsl helper.h
./test/eigen2/eigen2 dynalloc.cpp ./test/eigen2/eigen2 array.cpp
./test/eigen2/eigen2 map.cpp
./test/eigen2/main.h ./test/eigen2/eigen2 miscmatrices.cpp
./test/eigen2/eigen2 product large.cpp
./test/eigen2/eigen2 first aligned.cpp
./test/eigen2/eigen2 cholesky.cpp
./test/eigen2/eigen2 determinant.cpp ./test/eigen2/eigen2 sum.cpp
./test/eigen2/eigen2 inverse.cpp ./test/eigen2/eigen2 regression.cpp
./test/eigen2/eigen2 product small.cpp
./test/eigen2/eigen2 qtvector.cpp
./test/eigen2/eigen2 sparse vector.cpp ./test/eigen2/product.h
./test/eigen2/eigen2 sparse basic.cpp
./test/eigen2/eigen2 bug 132.cpp ./test/array.cpp
./test/product syrk.cpp ./test/commainitializer.cpp
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./test/conservative resize.cpp
./test/qr colpivoting.cpp ./test/nullary.cpp ./test/bandmatrix.cpp
./test/pastix support.cpp
./test/product.h ./test/block.cpp ./test/vectorization logic.cpp
./test/jacobi.cpp ./test/diagonal.cpp
./test/schur complex.cpp ./test/sizeoverflow.cpp ./bench/BenchTimer.h
./bench/benchFFT.cpp
./bench/eig33.cpp ./bench/spbench/spbenchsolver.h
./bench/spbench/spbenchstyle.h
./lapack/complex_double.cpp ./lapack/cholesky.cpp
./lapack/lapack common.h
./lapack/eigenvalues.cpp \ ./lapack/single.cpp \ ./lapack/lu.cpp
./lapack/complex single.cpp
./lapack/double.cpp ./demos/mix eigen and c/binary library.cpp
./demos/mix eigen and c/binary library.h
./demos/mix eigen and c/example.c
./{\tt demos/mandelbrot/mandelbrot.cpp}\ ./{\tt demos/mandelbrot/mandelbrot.h}
./demos/opengl/icosphere.cpp ./demos/opengl/icosphere.h
./demos/opengl/camera.cpp
./demos/opengl/quaternion demo.h ./demos/opengl/camera.h
./demos/opengl/trackball.h
./demos/opengl/gpuhelper.h ./demos/opengl/trackball.cpp
./demos/opengl/gpuhelper.cpp
./demos/opengl/quaternion demo.cpp ./debug/gdb/printers.py
./unsupported/test/minres.cpp
./{\tt unsupported/test/opengl support.cpp}\ ./{\tt unsupported/test/jacobisvd.cpp}
./unsupported/test/dgmres.cpp
./unsupported/test/matrix_square_root.cpp
./unsupported/test/bdcsvd.cpp
./unsupported/test/matrix exponential.cpp
./unsupported/test/forward adolc.cpp
./unsupported/test/polynomialsolver.cpp
./unsupported/test/matrix function.cpp
./unsupported/test/sparse extra.cpp
./unsupported/test/matrix\_functions.h \ ./unsupported/test/svd\_common.h
./unsupported/test/FFTW.cpp ./unsupported/test/alignedvector3.cpp
./unsupported/test/autodiff.cpp
./unsupported/test/gmres.cpp ./unsupported/test/BVH.cpp
./unsupported/test/levenberg marquardt.cpp
./unsupported/test/matrix power.cpp
./unsupported/test/kronecker product.cpp
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./unsupported/test/polynomialutils.cpp
./unsupported/bench/bench svd.cpp
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./unsupported/Eigen/src/IterativeSolvers/GMRES.h
./unsupported/Eigen/src/IterativeSolvers/IncompleteCholesky.h
./unsupported/Eigen/src/IterativeSolvers/Scaling.h
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- ./unsupported/Eigen/src/IterativeSolvers/MINRES.h
- ./unsupported/Eigen/src/SparseExtra/RandomSetter.h
- ./unsupported/Eigen/src/SparseExtra/MatrixMarketIterator.h
- ./unsupported/Eigen/src/SparseExtra/DynamicSparseMatrix.h
- ./unsupported/Eigen/src/SparseExtra/MarketIO.h
- ./unsupported/Eigen/src/SparseExtra/BlockOfDynamicSparseMatrix.h
- ./unsupported/Eigen/src/KroneckerProduct/KroneckerTensorProduct.h
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- ./unsupported/Eigen/src/SVD/BDCSVD.h
- ./unsupported/Eigen/src/SVD/SVDBase.h
- ./unsupported/Eigen/src/MatrixFunctions/MatrixFunction.h
- ./unsupported/Eigen/src/MatrixFunctions/MatrixSquareRoot.h
- ./unsupported/Eigen/src/MatrixFunctions/MatrixLogarithm.h
- ./unsupported/Eigen/src/MatrixFunctions/StemFunction.h
- ./unsupported/Eigen/src/MatrixFunctions/MatrixPower.h
- ./unsupported/Eigen/src/MatrixFunctions/MatrixExponential.h
- ./unsupported/Eigen/src/MatrixFunctions/MatrixFunctionAtomic.h
- $./unsupported/{\tt Eigen/src/MoreVectorization/MathFunctions.h}$
- $./unsupported/{\tt Eigen/src/LevenbergMarquardt/LevenbergMarquardt.} h$
- ./unsupported/Eigen/src/FFT/ei_fftw_impl.h
- ./unsupported/Eigen/src/FFT/ei kissfft impl.h
- $./unsupported/{\tt Eigen/src/Polynomials/PolynomialSolver.h} \\$
- ./unsupported/Eigen/src/Polynomials/Companion.h
- ./unsupported/Eigen/src/Polynomials/PolynomialUtils.h
- ./unsupported/Eigen/src/NumericalDiff/NumericalDiff.h
- ./unsupported/Eigen/src/Skyline/SkylineProduct.h
- ./unsupported/Eigen/src/Skyline/SkylineMatrixBase.h
- ./unsupported/Eigen/src/Skyline/SkylineStorage.h
- ./unsupported/Eigen/src/Skyline/SkylineUtil.h
- ./unsupported/Eigen/src/Skyline/SkylineInplaceLU.h
- $./{\tt unsupported/Eigen/src/Skyline/SkylineMatrix.h}$
- ./unsupported/Eigen/SparseExtra
- ./unsupported/Eigen/AdolcForward ./unsupported/Eigen/KroneckerProduct
- ./unsupported/Eigen/NonLinearOptimization ./unsupported/Eigen/BVH
- ./unsupported/Eigen/OpenGLSupport ./unsupported/Eigen/ArpackSupport
- ./unsupported/Eigen/AutoDiff ./unsupported/Eigen/Splines
- ./unsupported/Eigen/MPRealSupport
- ./unsupported/Eigen/MatrixFunctions
- $./{\tt unsupported/Eigen/MoreVectorization}$
- ./unsupported/Eigen/LevenbergMarquardt

```
./unsupported/Eigen/AlignedVector3
./unsupported/Eigen/FFT ./unsupported/Eigen/Polynomials
./unsupported/Eigen/NumericalDiff
./unsupported/Eigen/Skyline ./COPYING.README ./COPYING.README
./LICENSE ./LICENSE
./LICENSE ./Eigen/Eigen2Support
./Eigen/src/Eigen2Support/VectorBlock.h
./Eigen/src/Eigen2Support/Cwise.h ./Eigen/src/Eigen2Support/Minor.h
./Eigen/src/Eigen2Support/Lazy.h ./Eigen/src/Eigen2Support/Memory.h
./Eigen/src/Eigen2Support/MathFunctions.h
./Eigen/src/Eigen2Support/Geometry/AlignedBox.h
./Eigen/src/Eigen2Support/Geometry/Hyperplane.h
./Eigen/src/Eigen2Support/Geometry/Quaternion.h
./Eigen/src/Eigen2Support/Geometry/Rotation2D.h
./Eigen/src/Eigen2Support/Geometry/ParametrizedLine.h
./Eigen/src/Eigen2Support/Geometry/RotationBase.h
./Eigen/src/Eigen2Support/Geometry/Translation.h
./Eigen/src/Eigen2Support/Geometry/Scaling.h
./Eigen/src/Eigen2Support/Geometry/AngleAxis.h
./Eigen/src/Eigen2Support/Geometry/Transform.h
./Eigen/src/Eigen2Support/TriangularSolver.h
./Eigen/src/Eigen2Support/LU.h ./Eigen/src/Eigen2Support/QR.h
./Eigen/src/Eigen2Support/SVD.h
./Eigen/src/Eigen2Support/Meta.h ./Eigen/src/Eigen2Support/Block.h
./Eigen/src/Eigen2Support/Macros.h
./Eigen/src/Eigen2Support/LeastSquares.h
./Eigen/src/Eigen2Support/CwiseOperators.h
./Eigen/src/Jacobi/Jacobi.h ./Eigen/src/misc/Kernel.h
./Eigen/src/misc/SparseSolve.h ./Eigen/src/misc/Solve.h
./Eigen/src/misc/Image.h
./Eigen/src/SparseCore/SparseColEtree.h
./Eigen/src/SparseCore/SparseTranspose.h
./Eigen/src/SparseCore/SparseUtil.h
./Eigen/src/SparseCore/SparseCwiseBinaryOp.h
./Eigen/src/SparseCore/SparseDiagonalProduct.h
./Eigen/src/SparseCore/SparseProduct.h
./Eigen/src/SparseCore/SparseDot.h
./Eigen/src/SparseCore/SparseCwiseUnaryOp.h
./Eigen/src/SparseCore/SparseSparseProductWithPruning.h
./Eigen/src/SparseCore/SparseBlock.h
./Eigen/src/SparseCore/SparseDenseProduct.h
./Eigen/src/SparseCore/CompressedStorage.h
./Eigen/src/SparseCore/SparseMatrixBase.h
./Eigen/src/SparseCore/MappedSparseMatrix.h
./Eigen/src/SparseCore/SparseTriangularView.h
./Eigen/src/SparseCore/SparseView.h
./Eigen/src/SparseCore/SparseFuzzy.h
./Eigen/src/SparseCore/TriangularSolver.h
./Eigen/src/SparseCore/SparseSelfAdjointView.h
./Eigen/src/SparseCore/SparseMatrix.h
```

```
./Eigen/src/SparseCore/SparseVector.h
./Eigen/src/SparseCore/AmbiVector.h
./Eigen/src/SparseCore/ConservativeSparseSparseProduct.h
./Eigen/src/SparseCore/SparseRedux.h
./Eigen/src/SparseCore/SparsePermutation.h
./Eigen/src/Eigenvalues/RealSchur.h
./Eigen/src/Eigenvalues/ComplexEigenSolver.h
./Eigen/src/Eigenvalues/GeneralizedEigenSolver.h
./Eigen/src/Eigenvalues/ComplexSchur.h
./Eigen/src/Eigenvalues/RealQZ.h
./Eigen/src/Eigenvalues/EigenSolver.h
./Eigen/src/Eigenvalues/HessenbergDecomposition.h
./Eigen/src/Eigenvalues/GeneralizedSelfAdjointEigenSolver.h
./Eigen/src/Eigenvalues/Tridiagonalization.h
./Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h
./Eigen/src/Eigenvalues/MatrixBaseEigenvalues.h
./Eigen/src/SuperLUSupport/SuperLUSupport.h
./Eigen/src/StlSupport/StdDeque.h ./Eigen/src/StlSupport/StdVector.h
./Eigen/src/StlSupport/StdList.h ./Eigen/src/StlSupport/details.h
./Eigen/src/SparseQR/SparseQR.h
./Eigen/src/LU/Inverse.h ./Eigen/src/LU/arch/Inverse SSE.h
./Eigen/src/LU/Determinant.h
./Eigen/src/LU/PartialPivLU.h ./Eigen/src/LU/FullPivLU.h
./Eigen/src/UmfPackSupport/UmfPackSupport.h
./Eigen/src/OrderingMethods/Ordering.h
./Eigen/src/OrderingMethods/Eigen Colamd.h
./Eigen/src/QR/HouseholderQR.h
./Eigen/src/QR/ColPivHouseholderQR.h
./Eigen/src/QR/FullPivHouseholderQR.h
./Eigen/src/SVD/JacobiSVD.h ./Eigen/src/SVD/UpperBidiagonalization.h
./Eigen/src/Geometry/OrthoMethods.h ./Eigen/src/Geometry/AlignedBox.h
./Eigen/src/Geometry/Hyperplane.h ./Eigen/src/Geometry/Quaternion.h
./Eigen/src/Geometry/EulerAngles.h ./Eigen/src/Geometry/Rotation2D.h
./Eigen/src/Geometry/ParametrizedLine.h
./Eigen/src/Geometry/RotationBase.h
./Eigen/src/Geometry/arch/Geometry SSE.h
./Eigen/src/Geometry/Umeyama.h
./Eigen/src/Geometry/Homogeneous.h ./Eigen/src/Geometry/Translation.h
./Eigen/src/Geometry/Scaling.h ./Eigen/src/Geometry/AngleAxis.h
./Eigen/src/Geometry/Transform.h ./Eigen/src/plugins/BlockMethods.h
./Eigen/src/plugins/CommonCwiseUnaryOps.h
./Eigen/src/plugins/CommonCwiseBinaryOps.h
./Eigen/src/plugins/MatrixCwiseUnaryOps.h
./Eigen/src/plugins/MatrixCwiseBinaryOps.h
./Eigen/src/Householder/Householder.h
./Eigen/src/Householder/HouseholderSequence.h
./Eigen/src/Householder/BlockHouseholder.h
./Eigen/src/Core/VectorBlock.h
./Eigen/src/Core/Matrix.h ./Eigen/src/Core/Ref.h
./Eigen/src/Core/SelfAdjointView.h
```

```
./Eigen/src/Core/MathFunctions.h ./Eigen/src/Core/GlobalFunctions.h
./Eigen/src/Core/MapBase.h
./Eigen/src/Core/EigenBase.h ./Eigen/src/Core/GenericPacketMath.h
./Eigen/src/Core/NestByValue.h ./Eigen/src/Core/CwiseUnaryOp.h
./Eigen/src/Core/SolveTriangular.h ./Eigen/src/Core/Fuzzy.h
./Eigen/src/Core/Visitor.h
./Eigen/src/Core/Map.h ./Eigen/src/Core/NoAlias.h
./Eigen/src/Core/Diagonal.h
./Eigen/src/Core/StableNorm.h ./Eigen/src/Core/CoreIterators.h
./Eigen/src/Core/products/Parallelizer.h
./Eigen/src/Core/products/SelfadjointMatrixVector.h
./Eigen/src/Core/products/GeneralMatrixMatrixTriangular.h
./Eigen/src/Core/products/TriangularSolverMatrix.h
./Eigen/src/Core/products/GeneralMatrixMatrix.h
./Eigen/src/Core/products/SelfadjointProduct.h
./Eigen/src/Core/products/CoeffBasedProduct.h
./Eigen/src/Core/products/TriangularMatrixVector.h
./Eigen/src/Core/products/SelfadjointMatrixMatrix.h
./{\tt Eigen/src/Core/products/TriangularSolverVector.h}
./Eigen/src/Core/products/SelfadjointRank2Update.h
./Eigen/src/Core/products/GeneralBlockPanelKernel.h
./Eigen/src/Core/products/GeneralMatrixVector.h
./Eigen/src/Core/products/TriangularMatrixMatrix.h
./Eigen/src/Core/Reverse.h
./Eigen/src/Core/BooleanRedux.h ./Eigen/src/Core/Replicate.h
./Eigen/src/Core/arch/AltiVec/PacketMath.h
./Eigen/src/Core/arch/AltiVec/Complex.h
./Eigen/src/Core/arch/SSE/PacketMath.h
./Eigen/src/Core/arch/SSE/Complex.h
./Eigen/src/Core/arch/SSE/MathFunctions.h
./Eigen/src/Core/arch/NEON/PacketMath.h
./Eigen/src/Core/arch/NEON/Complex.h
./Eigen/src/Core/arch/Default/Settings.h
./Eigen/src/Core/CwiseUnaryView.h ./Eigen/src/Core/Array.h
./Eigen/src/Core/ArrayWrapper.h
./Eigen/src/Core/Swap.h ./Eigen/src/Core/Transpositions.h
./Eigen/src/Core/Random.h
./Eigen/src/Core/IO.h ./Eigen/src/Core/SelfCwiseBinaryOp.h
./Eigen/src/Core/VectorwiseOp.h
./Eigen/src/Core/Select.h ./Eigen/src/Core/ArrayBase.h
./Eigen/src/Core/DenseCoeffsBase.h
./Eigen/src/Core/DiagonalProduct.h ./Eigen/src/Core/Assign.h
./Eigen/src/Core/Redux.h
./Eigen/src/Core/ForceAlignedAccess.h ./Eigen/src/Core/BandMatrix.h
./Eigen/src/Core/PlainObjectBase.h ./Eigen/src/Core/DenseBase.h
./Eigen/src/Core/Flagged.h
./Eigen/src/Core/CwiseBinaryOp.h ./Eigen/src/Core/ProductBase.h
./Eigen/src/Core/TriangularMatrix.h ./Eigen/src/Core/Transpose.h
./Eigen/src/Core/DiagonalMatrix.h ./Eigen/src/Core/Dot.h
./Eigen/src/Core/Functors.h
```

```
./Eigen/src/Core/PermutationMatrix.h ./Eigen/src/Core/NumTraits.h
./Eigen/src/Core/MatrixBase.h
./Eigen/src/Core/DenseStorage.h ./Eigen/src/Core/util/Memory.h
./Eigen/src/Core/util/StaticAssert.h
./Eigen/src/Core/util/BlasUtil.h ./Eigen/src/Core/util/MatrixMapper.h
./Eigen/src/Core/util/XprHelper.h
./Eigen/src/Core/util/ForwardDeclarations.h
./Eigen/src/Core/util/Meta.h ./Eigen/src/Core/util/Macros.h
./Eigen/src/Core/util/Constants.h
./Eigen/src/Core/CwiseNullaryOp.h ./Eigen/src/Core/Block.h
./Eigen/src/Core/GeneralProduct.h
./Eigen/src/Core/CommaInitializer.h ./Eigen/src/Core/ReturnByValue.h
./Eigen/src/Core/Stride.h
./Eigen/src/SPQRSupport/SuiteSparseQRSupport.h
./Eigen/src/SparseLU/SparseLU column dfs.h
./Eigen/src/SparseLU/SparseLU panel dfs.h
./Eigen/src/SparseLU/SparseLU relax snode.h
./Eigen/src/SparseLU/SparseLU panel bmod.h
./Eigen/src/SparseLU/SparseLU SupernodalMatrix.h
./Eigen/src/SparseLU/SparseLU Utils.h
./Eigen/src/SparseLU/SparseLU gemm kernel.h
./Eigen/src/SparseLU/SparseLU kernel bmod.h
./Eigen/src/SparseLU/SparseLU pivotL.h
./Eigen/src/SparseLU/SparseLU Memory.h
./Eigen/src/SparseLU/SparseLU heap relax snode.h
./Eigen/src/SparseLU/SparseLUImpl.h
./Eigen/src/SparseLU/SparseLU copy to ucol.h
./Eigen/src/SparseLU/SparseLU Structs.h
./Eigen/src/SparseLU/SparseLU.h
./Eigen/src/SparseLU/SparseLU column bmod.h
./Eigen/src/SparseLU/SparseLU pruneL.h
./Eigen/src/IterativeLinearSolvers/IncompleteLUT.h
./Eigen/src/IterativeLinearSolvers/BasicPreconditioners.h
./Eigen/src/IterativeLinearSolvers/IterativeSolverBase.h
./Eigen/src/IterativeLinearSolvers/ConjugateGradient.h
./Eigen/src/IterativeLinearSolvers/BiCGSTAB.h
./Eigen/src/SparseCholesky/SimplicialCholesky.h
./Eigen/src/Cholesky/LDLT.h ./Eigen/src/Cholesky/LLT.h
./Eigen/src/CholmodSupport/CholmodSupport.h
./Eigen/src/PaStiXSupport/PaStiXSupport.h
./Eigen/src/MetisSupport/MetisSupport.h ./Eigen/StdVector
./Eigen/Core ./Eigen/SparseLU
./Eigen/StdList ./Eigen/StdDeque ./Eigen/SparseCholesky
./scripts/relicense.py
./scripts/relicense.py ./blas/BandTriangularSolver.h
./blas/PackedTriangularMatrixVector.h
./blas/complex double.cpp ./blas/level2 real impl.h
./blas/level1 cplx impl.h ./blas/level1 impl.h
./blas/level1 real impl.h ./blas/level3 impl.h ./blas/single.cpp
./blas/level2 cplx impl.h
```

```
./blas/PackedSelfadjointProduct.h ./blas/Rank2Update.h
./blas/complex single.cpp
./blas/PackedTriangularSolverVector.h ./blas/double.cpp
./blas/common.h ./blas/level2 impl.h
./blas/GeneralRank1Update.h Mozilla Public License Version 2.0
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./doc/UsingIntelMKL.dox ./Eigen/src/Eigenvalues/ComplexSchur MKL.h
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./Eigen/src/Eigenvalues/SelfAdjointEigenSolver MKL.h
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./Eigen/src/Eigenvalues/RealSchur MKL.h
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./Eigen/src/LU/arch/Inverse SSE.h ./Eigen/src/LU/PartialPivLU MKL.h
./{\tt Eigen/src/LU/PartialPivLU\_MKL.h} \ ./{\tt Eigen/src/QR/HouseholderQR\_MKL.h}
./Eigen/src/QR/HouseholderQR MKL.h
./Eigen/src/QR/ColPivHouseholderQR MKL.h
./Eigen/src/QR/ColPivHouseholderQR MKL.h
./Eigen/src/SVD/JacobiSVD MKL.h
./Eigen/src/SVD/JacobiSVD MKL.h
./Eigen/src/PardisoSupport/PardisoSupport.h
./Eigen/src/PardisoSupport/PardisoSupport.h
./Eigen/src/Core/Assign MKL.h
./Eigen/src/Core/Assign MKL.h
./Eigen/src/Core/products/SelfadjointMatrixVector MKL.h
./Eigen/src/Core/products/SelfadjointMatrixVector MKL.h
./Eigen/src/Core/products/GeneralMatrixVector MKL.h
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./Eigen/src/Core/products/SelfadjointMatrixMatrix MKL.h
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./Eigen/src/Core/products/TriangularMatrixMatrix MKL.h
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./Eigen/src/Core/products/TriangularMatrixVector MKL.h
./Eigen/src/Core/products/TriangularMatrixVector MKL.h
./Eigen/src/Core/products/GeneralMatrixMatrixTriangular MKL.h
./Eigen/src/Core/products/GeneralMatrixMatrixTriangular MKL.h
./Eigen/src/Core/products/TriangularSolverMatrix MKL.h
./Eigen/src/Core/products/TriangularSolverMatrix MKL.h
./Eigen/src/Core/util/MKL support.h
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the "Lesser" General Public License because it does Less to protect
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developers Less of an
advantage over competing non-free programs. These disadvantages are
the reason we use the
ordinary General Public License for many libraries. However, the
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there is little to gain by limiting the free library to free software
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definitions files in the Library
will not necessarily be able to recompile the application to use the
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suitable shared library mechanism for linking with the Library. A
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computer system, rather than
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properly with a modified version of
the library, if the user installs one, as long as the modified
version is interface-compatible with the
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well- defined independent of the
application. Therefore, Subsection 2d requires that any application-
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it, the square root function must
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made by offering access to copy from a designated place, then
offering equivalent access to copy
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though third parties are not compelled to copy the source along with
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being compiled or linked with it, is called a "work that uses the
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to be true is not precisely defined by
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and small macros and small inline functions (ten lines or less in
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work under the terms of Section
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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-
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readable "work that uses the
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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
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the application to use the modified definitions.) b) Use a suitable
shared library mechanism for
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at run time a copy of the library
already present on the user's computer system, rather than copying
library functions into the
executable, and (2) will operate properly with a modified version of
the library, if the user installs
one, as long as the modified version is interface-compatible with the
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they blur the distinction we
usually make between modifying or adding to a program and simply
using it. Linking a program
with a library, without changing the library, is in some sense simply
using the library, and is
analogous to running a utility program or application program.
However, in a textual and legal
sense, the linked executable is a combined work, a derivative of the
original library, and the
ordinary General Public License treats it as such. Because of this
blurred distinction, using the
ordinary General Public License for libraries did not effectively
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promote software sharing, because
most developers did not use the libraries. We concluded that weaker
conditions might promote
sharing better. However, unrestricted linking of non-free programs
would deprive the users of those
programs of all benefit from the free status of the libraries
themselves. This Library General Public
License is intended to permit developers of non-free programs to use
free libraries, while
preserving your freedom as a user of such programs to change the free
libraries that are
incorporated in them. (We have not seen how to achieve this as
regards changes in header files,
but we have achieved it as regards changes in the actual functions of
the Library.) The hope is that
this will lead to faster development of free libraries. The precise
terms and conditions for copying,
distribution and modification follow. Pay close attention to the
difference between a "work based on
the library" and a "work that uses the library". The former contains
code derived from the library,
while the latter only works together with the library. Note that it
is possible for a library to be
covered by the ordinary General Public License rather than by this
special one. GNU LIBRARY
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MODIFICATION 0. This License Agreement applies to any software
library which contains a notice
placed by the copyright holder or other authorized party saying it
may be distributed under the
terms of this Library General Public License (also called "this
License"). Each licensee is
addressed as "you". A "library" means a collection of software
functions and/or data prepared so as
to be conveniently linked with application programs (which use some
of those functions and data)
to form executables. The "Library", below, refers to any such
software library or work which has
been distributed under these terms. A "work based on the Library"
means either the Library or any
derivative work under copyright law: that is to say, a work
containing the Library or a portion of it,
either verbatim or with modifications and/or translated
straightforwardly into another language.
(Hereinafter, translation is included without limitation in the term
"modification".) "Source code" for a
work means the preferred form of the work for making modifications to
it. For a library, complete
source code means all the source code for all modules it contains,
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plus any associated interface
definition files, plus the scripts used to control compilation and
installation of the library. Activities
other than copying, distribution and modification are not covered by
this License; they are outside
its scope. The act of running a program using the Library is not
restricted, and output from such a
program is covered only if its contents constitute a work based on
the Library (independent of the
use of the Library in a tool for writing it). Whether that is true
depends on what the Library does and
what the program that uses the Library does. 1. You may copy and
distribute verbatim copies of the
Library's complete source code as you receive it, in any medium,
provided that you conspicuously
and appropriately publish on each copy an appropriate copyright
notice and disclaimer of warranty;
keep intact all the notices that refer to this License and to the
absence of any warranty; and
distribute a copy of this License along with the Library. You may
charge a fee for the physical act of
transferring a copy, and you may at your option offer warranty
protection in exchange for a fee. 2.
You may modify your copy or copies of the Library or any portion of
it, thus forming a work based
on the Library, and copy and distribute such modifications or work
under the terms of Section 1
above, provided that you also meet all of these conditions: a) The
modified work must itself be a
software library. b) You must cause the files modified to carry
prominent notices stating that you
changed the files and the date of any change. c) You must cause the
whole of the work to be
licensed at no charge to all third parties under the terms of this
License. d) If a facility in the
modified Library refers to a function or a table of data to be
supplied by an application program that
uses the facility, other than as an argument passed when the facility
is invoked, then you must
make a good faith effort to ensure that, in the event an application
does not supply such function or
table, the facility still operates, and performs whatever part of its
purpose remains meaningful. (For
example, a function in a library to compute square roots has a
purpose that is entirely well-defined
independent of the application. Therefore, Subsection 2d requires
that any application-supplied
function or table used by this function must be optional: if the
application does not supply it, the
square root function must still compute square roots.) These
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requirements apply to the modified
work as a whole. If identifiable sections of that work are not
derived from the Library, and can be
reasonably considered independent and separate works in themselves,
then this License, and its
terms, do not apply to those sections when you distribute them as
separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the
distribution of the whole must be on the terms of this License, whose
permissions for other
licensees extend to the entire whole, and thus to each and every part
regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest
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by you; rather, the intent is to exercise the right to control the
distribution of derivative or collective
works based on the Library. In addition, mere aggregation of another
work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution
medium does not bring the other work under the scope of this License.
3. You may opt to apply the
terms of the ordinary GNU General Public License instead of this
License to a given copy of the
Library. To do this, you must alter all the notices that refer to
this License, so that they refer to the
ordinary GNU General Public License, version 2, instead of to this
License. (If a newer version than
version 2 of the ordinary GNU General Public License has appeared,
then you can specify that
version instead if you wish.) Do not make any other change in these
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made in a given copy, it is irreversible for that copy, so the
ordinary GNU General Public License
applies to all subsequent copies and derivative works made from that
copy. This option is useful
when you wish to copy part of the code of the Library into a program
that is not a library. 4. You
may copy and distribute the Library (or a portion or derivative of
it, under Section 2) in object code
or executable form under the terms of Sections 1 and 2 above provided
that you accompany it with
the complete corresponding machine-readable source code, which must
be distributed under the
terms of Sections 1 and 2 above on a medium customarily used for
software interchange. If
distribution of object code is made by offering access to copy from a
designated place, then
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offering equivalent access to copy the source code from the same

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place satisfies the requirement
to distribute the source code, even though third parties are not
compelled to copy the source along
with the object code. 5. A program that contains no derivative of any
portion of the Library, but is
designed to work with the Library by being compiled or linked with
it, is called a "work that uses the
Library". Such a work, in isolation, is not a derivative work of the
Library, and therefore falls outside
the scope of this License. However, linking a "work that uses the
Library" with the Library creates
an executable that is a derivative of the Library (because it
contains portions of the Library), rather
than a "work that uses the library". The executable is therefore
covered by this License. Section 6
states terms for distribution of such executables. When a "work that
uses the Library" uses material
from a header file that is part of the Library, the object code for
the work may be a derivative work
of the Library even though the source code is not. Whether this is
true is especially significant if the
work can be linked without the Library, or if the work is itself a
library. The threshold for this to be
true is not precisely defined by law. If such an object file uses
only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in
length), then the use of the object file is unrestricted, regardless
of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under
Section 6.) Otherwise, if the work is a derivative of the Library,
you may distribute the object code
for the work under the terms of Section 6. Any executables containing
that work also fall under
Section 6, whether or not they are linked directly with the Library
itself. 6. As an exception to the
Sections above, you may also compile or link a "work that uses the
Library" with the Library to
produce a work containing portions of the Library, and distribute
that work under terms of your
choice, provided that the terms permit modification of the work for
the customer's own use and
reverse engineering for debugging such modifications. You must give
prominent notice with each
copy of the work that the Library is used in it and that the Library
and its use are covered by this
License. You must supply a copy of this License. If the work during
execution displays copyright
notices, you must include the copyright notice for the Library among
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them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things: a) Accompany
the work with the complete corresponding machine-readable source code
for the Library including
whatever changes were used in the work (which must be distributed
under Sections 1 and 2
above); and, if the work is an executable linked with the Library,
with the complete machine-
readable "work that uses the Library", as object code and/or source
code, so that the user can
modify the Library and then relink to produce a modified executable
containing the modified
Library. (It is understood that the user who changes the contents of
definitions files in the Library
will not necessarily be able to recompile the application to use the
modified definitions.) b)
Accompany the work with a written offer, valid for at least three
years, to give the same user the
materials specified in Subsection 6a, above, for a charge no more
than the cost of performing this
distribution. c) If distribution of the work is made by offering
access to copy from a designated
place, offer equivalent access to copy the above specified materials
from the same place. d) Verify
that the user has already received a copy of these materials or that
you have already sent this user
a copy. For an executable, the required form of the "work that uses
the Library" must include any
data and utility programs needed for reproducing the executable from
it. However, as a special
exception, the source code distributed need not include anything that
is normally distributed (in
either source or binary form) with the major components (compiler,
kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the
executable. It may happen that this requirement contradicts the
license restrictions of other
proprietary libraries that do not normally accompany the operating
system. Such a contradiction
means you cannot use both them and the Library together in an
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side-by-side in a single library
together with other library facilities not covered by this License,
and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other
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library facilities is otherwise permitted, and provided that you do

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these two things: a) Accompany
the combined library with a copy of the same work based on the
Library, uncombined with any
other library facilities. This must be distributed under the terms of
the Sections above. b) Give
prominent notice with the combined library of the fact that part of
it is a work based on the Library,
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the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

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sure that they, too, receive or
can get the source code. If you link other code with the library, you
must provide complete object
files to the recipients, so that they can relink them with the
library after making changes to the
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warranty for the free library. Also, if
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should know that what they
have is not the original version, so that the original author's
reputation will not be affected by
problems 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 license from a
patent holder. Therefore, we insist
that any patent license obtained for a version of the library must be
consistent with the full freedom
of use specified in this license. Most GNU software, including some
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libraries, is covered by the

ordinary GNU General Public License. This license, the GNU Lesser General Public License,

applies to certain designated libraries, and is quite different from the ordinary General Public

License. We use this license for certain libraries in order 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 work, a derivative of the original library.

The ordinary General Public License therefore permits such linking only if the entire combination

fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking

other code 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 competing ${\tt non-free}$ programs. These

disadvantages are the reason we use the ordinary General Public License for many libraries.

However, the Lesser license provides advantages 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 de-facto 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 non-

free 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 software. For

example, permission to use the GNU C Library in non-free programs enables many more people to

use the whole GNU operating system, as well as its variant, the $\ensuremath{\mathsf{GNU/Linux}}$ 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

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whereas the latter must be combined with the library in order to run. GNU LESSER GENERAL

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prepared so as to be conveniently linked with application programs (which use some of those

functions and data) to form executables. The "Library", below, refers to any such software library or

work which has been distributed under these terms. A "work based on the Library" means either

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

or a portion of it, either verbatim or with modifications and/or translated straightforwardly into

another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a

library, complete source code means all the source code for all modules it contains, plus any

associated interface definition files, plus the scripts used to control compilation and installation of

the library. Activities other than copying, distribution and modification are not covered by this

License; they are outside its scope. The act of running a program using the Library is not restricted,

and output from such a program is covered only if its contents constitute a work based on the

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on what the Library does and what the program that uses the Library does. 1. You may copy and $\,$

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meet all of these conditions: a)
The modified work must itself be a software library. b) You must
cause the files modified to carry
prominent notices stating that you changed the files and the date of
any change. c) You must
cause the whole of the work to be licensed at no charge to all third
parties under the terms of this
License. d) If a facility in the modified Library refers to a
function or a table of data to be supplied by
an application program that uses the facility, other than as an
argument passed when the facility is
invoked, then you must make a good faith effort to ensure that, in
the event an application does not
supply such function or table, the facility still operates, and
performs whatever part of its purpose
remains meaningful. (For example, a function in a library to compute
square roots has a purpose
that is entirely well-defined independent of the application.
Therefore, Subsection 2d requires that
any application-supplied function or table used by this function must
be optional: if the application
does not supply it, the square root function must still compute
square roots.) These requirements
apply to the modified work as a whole. If identifiable sections of
that work are not derived from the
Library, and can be reasonably considered independent and separate
works in themselves, then
this License, and its terms, do not apply to those sections when you
distribute them as separate
works. But when you distribute the same sections as part of a whole
which is a work based on the
Library, the distribution of the whole must be on the terms of this
License, whose permissions for
other licensees extend to the entire whole, and thus to each and
every part regardless of who
wrote it. Thus, it is not the intent of this section to claim rights
or contest your rights to work written
entirely by you; rather, the intent is to exercise the right to
control the distribution of derivative or
collective works based on the Library. In addition, mere aggregation
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distribution medium does not bring the other work under the scope of
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library. The threshold for this to be

true is not precisely defined by law. If such an object file uses only numerical parameters, data

structure layouts and accessors, and small macros and small inline functions (ten lines or less in

length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative

work. (Executables containing this object code plus portions of the Library will still fall under

Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the object code

for the work under the terms of Section 6. Any executables containing that work also fall under

Section 6, whether or not they are linked directly with the Library itself. 6. As an exception to the

Sections above, you may also 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

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reverse engineering for debugging such modifications. You must give prominent notice with each

copy of the work that the Library is used in it and that the Library and its use are covered by this

License. You must supply a copy of this License. If the work during execution displays copyright

notices, you must include the copyright notice for the Library among them, as well as a reference

directing the user to the copy of this License. Also, you must do one of these things: a) Accompany

the work with the complete corresponding machine-readable source code for the Library including

whatever changes were used in the work (which must be distributed under Sections 1 and 2 $\,$

above); and, if the work is an executable linked with the Library, with the complete machine-

readable "work that uses the Library", as object code and/or source code, so that the user can

modify the Library and then relink to produce a modified executable containing the modified $\,$

Library. (It is understood that the user who changes the contents of definitions files in the Library

will not necessarily be able to recompile the application to use the $\mbox{modified definitions.})$ b) Use a

suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1)

uses at run time a copy of the library already present on the user's computer system, rather than $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1$

copying library functions into the executable, and (2) will operate properly with a modified version of

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