



Thermal-Flow OSS Copyright Notice

March 2024

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3 Boost – 1.81.0

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5 CUDA – 12.3

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This supplement is an exhibit to the Agreement and is incorporated as an integral part of the Agreement. In the event of conflict between the terms in this supplement and the terms in the Agreement, the terms in this supplement govern.

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2.6. Attachment A

The following CUDA Toolkit files may be distributed with Licensee Applications developed by you, including certain variations of these files that have version number or architecture specific information embedded in the file name - as an example only, for release version 9.0 of the 64-bit Windows software, the file `cuda64_90.dll` is redistributable.

Component	CUDA Runtime
Windows	<code>cuda64.dll</code> , <code>cuda64_static.lib</code> , <code>cuda64devrt.lib</code>
Mac OSX	<code>libcudart.dylib</code> , <code>libcudart_static.a</code> , <code>libcudadevrt.a</code>
Linux	<code>libcudart.so</code> , <code>libcudart_static.a</code> , <code>libcudadevrt.a</code>

Android	libcudart.so, libcudart_static.a, libcudadevrt.a
Component	CUDA FFT Library
Windows	cufft.dll, cufftw.dll, cufft.lib, cufftw.lib
Mac OSX	libcufft.dylib, libcufft_static.a, libcufftw.dylib, libcufftw_static.a
Linux	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
Android	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
Component	CUDA BLAS Library
Windows	cublas.dll, cublasLt.dll
Mac OSX	libcublas.dylib, libcublasLt.dylib, libcublas_static.a, libcublasLt_static.a
Linux	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
Android	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
Component	NVIDIA "Drop-in" BLAS Library
Windows	nvblas.dll
Mac OSX	libnvblas.dylib
Linux	libnvblas.so
Component	CUDA Sparse Matrix Library
Windows	cusparse.dll, cusparse.lib

Mac OSX	libcusparsed.dylib, libcusparsed_static.a
Linux	libcusparsed.so, libcusparsed_static.a
Android	libcusparsed.so, libcusparsed_static.a
Component	CUDA Linear Solver Library
Windows	cusolver.dll, cusolver.lib
Mac OSX	libcusolver.dylib, libcusolver_static.a
Linux	libcusolver.so, libcusolver_static.a
Android	libcusolver.so, libcusolver_static.a
Component	CUDA Random Number Generation Library
Windows	curand.dll, curand.lib
Mac OSX	libcurand.dylib, libcurand_static.a
Linux	libcurand.so, libcurand_static.a
Android	libcurand.so, libcurand_static.a
Component	NVIDIA Performance Primitives Library
Windows	nppc.dll, nppc.lib, nppial.dll, nppial.lib, nppicc.dll, nppicc.lib, nppicom.dll, nppicom.lib, nppidei.dll, nppidei.lib, nppif.dll, nppif.lib, nppig.dll, nppig.lib, nppim.dll, nppim.lib, nppist.dll, nppist.lib, nppisu.dll, nppisu.lib, nppitc.dll, nppitc.lib, npps.dll, npps.lib

Mac OSX	libnppc.dylib, libnppc_static.a, libnppial.dylib, libnppial_static.a, libnppicc.dylib, libnppicc_static.a, libnppicom.dylib, libnppicom_static.a, libnppidei.dylib, libnppidei_static.a, libnppif.dylib, libnppif_static.a, libnppig.dylib, libnppig_static.a, libnppim.dylib, libnppisu_static.a, libnppitc.dylib, libnppitc_static.a, libnpps.dylib, libnpps_static.a
Linux	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
Android	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
Component	NVIDIA JPEG Library
Windows	nvjpeg.lib, nvjpeg.dll
Linux	libnvjpeg.so, libnvjpeg_static.a
Component	Internal common library required for statically linking to cuBLAS, cuSPARSE, cuFFT, cuRAND, nvJPEG and NPP
Mac OSX	libculibos.a
Linux	libculibos.a
Component	NVIDIA Runtime Compilation Library and Header
All	nrtc.h
Windows	nrtc.dll, nrtc-builtins.dll
Mac OSX	libnrtc.dylib, libnrtc-builtins.dylib
Linux	libnrtc.so, libnrtc-builtins.so

Component	NVIDIA Optimizing Compiler Library
Windows	nvvm.dll
Mac OSX	libnvvm.dylib
Linux	libnvvm.so
Component	NVIDIA Common Device Math Functions Library
Windows	libdevice.10.bc
Mac OSX	libdevice.10.bc
Linux	libdevice.10.bc
Component	CUDA Occupancy Calculation Header Library
All	cuda_occupancy.h
Component	CUDA Half Precision Headers
All	cuda_fp16.h, cuda_fp16.hpp
Component	CUDA Profiling Tools Interface (CUPTI) Library
Windows	cupti.dll
Mac OSX	libcupti.dylib
Linux	libcupti.so

Component	NVIDIA Tools Extension Library
Windows	nvToolsExt.dll, nvToolsExt.lib
Mac OSX	libnvToolsExt.dylib
Linux	libnvToolsExt.so
Component	NVIDIA CUDA Driver Libraries
Linux	libcuda.so, libnvidia-ptxjitcompiler.so
Component	NVIDIA CUDA File IO Libraries and Header
All	cufile.h
Linux	libcufile.so, libcufile_rdma.so, libcufile_static.a, libcufile_rdma_static.a

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6 D3 – 6

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11 fmt – 7.1.3

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13 GSL – 3.1.0

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27 Libxcb-render-utils – 0.3.10

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28 Libxcb-utils – 0.4.1

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29 Libxcb-wm – 0.4.2

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35 Plotly JS – 2.25.2

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37 QT – 5.15.15

Native Style for Android

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Used in Android platform plugin.

The sources can be found in src/3rdparty/android.

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ANGLE Library, version chromium/3280

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The ANGLE library translates OpenGL ES API calls to hardware-supported APIs.

Used on Windows to implement OpenGL ES on top of DirectX. Configure with -no-opengl, or -opengl desktop to exclude.

The sources can be found in src/3rdparty/angle.

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ANGLE: Array Bounds Clamper for WebKit

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Implements clamping of array indexing expressions during shader translation.

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The sources can be found in src/3rdparty/angle/src/third_party/compiler.

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ANGLE: Murmurhash

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The sources can be found in `src/3rdparty/angle/src/third_party/murmurhash`.

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ANGLE: Systeminfo

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ANGLE: trace_event

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Efficient Binary-Decimal and Decimal-Binary Conversion Routines for IEEE Doubles, version 3.1.5

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Easing Equations by Robert Penner

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The sources can be found in `src/3rdparty/easing/easing.cpp`.

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forkfd

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Used on most Unix platforms in Qt Core.

The sources can be found in `src/3rdparty/forkfd/forkfd.c`, `src/3rdparty/forkfd/forkfd.h`, and `src/3rdparty/forkfd/forkfd_gcc.h`.

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FreeBSD strtoll and strtoull, version 18b29f3fb8abee5d57ed8f4a44f806bec7e0eeff

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strtoll() and strtoull() are functions for converting a string to (unsigned) long long integer.

Used in Qt Core.

The sources can be found in `src/3rdparty/freebsd/strtoll.c` and `src/3rdparty/freebsd/strtoull.c`.

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Optionally used in Qt GUI. Configure with `-system-harfbuzz` to force the use of the system library, or `-no-harfbuzz` to disable the use of HarfBuzz entirely.

The sources can be found in `src/3rdparty/harfbuzz`.

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HarfBuzz-NG, version 7.2.0

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HarfBuzz is an OpenType text shaping engine.

Optionally used in Qt GUI. Configure with `-system-harfbuzz` to force the use of the system library, or `-qt-harfbuzz` to link statically to the library that is bundled with your Qt version.

The sources can be found in `src/3rdparty/harfbuzz-ng`.

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IAccessible2 IDL Specification, version 1.3.0

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IAccessible2 is a new accessibility API which complements Microsoft's earlier work on MSAA

Optionally used in the Windows platform plugin. Configure with `-no-accessibility` to avoid.

The sources can be found in `src/3rdparty/iaccessible2`.

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MD4

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MD4C, version 0.4.8
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MD5

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MD5 message-digest algorithm.

Used in Qt Core (QCryptographicHash). Configure with `-DQT_CRYPTOGRAPHICHASH_ONLY_SHA1` to avoid.

The sources can be found in `src/3rdparty/md5`.

Written by Colin Plumb in 1993, no copyright is claimed.
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PCRE2, version 10.42

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The PCRE library is a set of functions that implement regular expression pattern matching using the same syntax and semantics as Perl 5.

Optionally used in Qt Core (QRegularExpression). Configure with `-system-pcre` or `-no-pcre` to avoid.

The sources can be found in `src/3rdparty/pcre2`.

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: Philip.Hazel
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PCRE2 - Stack-less Just-In-Time Compiler, version 10.42

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The sources can be found in `src/3rdparty/pcre2/src/sljit`.

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Pixman, version 0.17.12

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Secure Hash Algorithms SHA-384 and SHA-512

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Secure Hash Algorithm SHA-1

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Implements the Secure Hash Algorithms SHA 1

Used in Qt Core (QCryptographicHash).

The sources can be found in src/3rdparty/sha1.

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Secure Hash Algorithm SHA-3 - brg_endian, version <https://github.com/BrianGladman/sha/> commit 4b9e13ead2c5b5e41ca27c65de4dd69ae0bac228

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upstream version: <https://github.com/BrianGladman/sha/> commit 4b9e13ead2c5b5e41ca27c65de4dd69ae0bac228

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Secure Hash Algorithm SHA-3 - Keccak, version 3.2

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Used in Qt Core (QCryptographicHash).

The sources can be found in `src/3rdparty/sha3/KeccakF-1600-32-rvk.macros`, `src/3rdparty/sha3/KeccakF-1600-32.macros`, `src/3rdparty/sha3/KeccakF-1600-64.macros`, `src/3rdparty/sha3/KeccakF-1600-interface.h`, `src/3rdparty/sha3/KeccakF-1600-opt32.c`, `src/3rdparty/sha3/KeccakF-1600-opt64.c`, `src/3rdparty/sha3/KeccakF-1600-unrolling.macros`, `src/3rdparty/sha3/KeccakNISTInterface.c`, `src/3rdparty/sha3/KeccakNISTInterface.h`, `src/3rdparty/sha3/KeccakSponge.c`, and `src/3rdparty/sha3/KeccakSponge.h`.

upstream version: 3.2

Guido Bertoni, Joan Daemen, Michaël Peeters and Gilles Van Assche.

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SQLite, version 3.42.0

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SQLite is a small C library that implements a self-contained, embeddable, zero-configuration SQL database engine.

Used in Qt SQL Lite plugin. Configure Qt with `-system-sqlite` or `-no-sqlite` to avoid.

The sources can be found in `src/3rdparty/sqlite`.

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Vulkan Memory Allocator, version 2.2.0

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Vulkan Memory Allocator

Memory management for the Vulkan backend of QRhi.

The sources can be found in `src/3rdparty/VulkanMemoryAllocator`.

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Wintab API

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Wintab is a de facto API for pointing devices on Windows.

Used in the Qt platform plugin for Windows. Configure with `-no-feature-tabletevent` to avoid.

The sources can be found in `src/3rdparty/wintab`.

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XCB-XInput

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XInput 2 extension for XCB (The X protocol C-language Binding) library.

Used in XCB platform plugin if xcb-xinput was not present on the system during Qt configuration or `-bundled-xcb-xinput` switch was used. To force using xcb-xinput from the system, pass `-no-bundled-xcb-xinput`.

The sources can be found in `src/3rdparty/xcb`.

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Data Compression Library (zlib), version 1.2.13

zlib License

zlib is a general purpose data compression library.

Optionally used in Qt Core and development tools. Configure with `-system-zlib` to avoid.

The sources can be found in `src/3rdparty/zlib`.

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38 QWT – 6.2.0

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42 VTK – 9.3.0

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43 Xorg-macros – 1.20.0

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44 Xproto – 1.15.2

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45 Zlib – 1.3.1

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