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2.6. Glenn Randers-Pehrson

glennrp at users.sourceforge.net July 15, 2018

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12 typing_extensions

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=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes

2.2 and above 2.1.1 2001-now PSF yes

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14 six

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16 dataclasses

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19 OpenCV

<https://github.com/opencv/opencv/blob/4.4.0/LICENSE>

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20 NVIDIA CUDA

<https://docs.nvidia.com/cuda/eula/index.html>

<https://docs.nvidia.com/pdf/EULA.pdf>

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NVIDIA Driver

Description

This package contains the operating system driver and fundamental system software components for NVIDIA GPUs.

NVIDIA CUDA Toolkit

Description

The NVIDIA CUDA Toolkit provides command-line and graphical tools for building, debugging and optimizing the performance of applications accelerated by NVIDIA GPUs, runtime and math libraries, and documentation including programming guides, user manuals, and API references.

Default Install Location of CUDA Toolkit

Windows platform:

%ProgramFiles%\NVIDIA GPU Computing Toolkit\CUDA\v#.#

Linux platform:

/usr/local/cuda-#.#

Mac platform:

/Developer/NVIDIA/CUDA-#.#

NVIDIA CUDA Samples

Description

This package includes over 100+ CUDA examples that demonstrate various CUDA programming principles, and efficient CUDA implementation of algorithms in specific application domains.

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%ProgramData%\NVIDIA Corporation\CUDA Samples\v#.#

Linux platform:

/usr/local/cuda-#.#/samples

and

\$HOME/NVIDIA_CUDA-#.#_Samples

Mac platform:

/Developer/NVIDIA/CUDA-#.#/samples

NVIDIA Nsight Visual Studio Edition (Windows only)

Description

NVIDIA Nsight Development Platform, Visual Studio Edition is a development environment integrated into Microsoft Visual Studio that provides tools for debugging, profiling, analyzing and optimizing your GPU computing and graphics applications.

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%ProgramFiles(x86)%\NVIDIA Corporation\Nsight Visual Studio Edition #.#

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Modify and create derivative works of sample source code delivered in the SDK, and

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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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20.2.6. Attachment A

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Component CUDA Runtime

Windows `cuda.dll`, `cuda_static.lib`, `cudadevrt.lib`

Mac OSX `libcudart.dylib`, `libcudart_static.a`, `libcudadevrt.a`

Linux `libcudart.so`, `libcudart_static.a`, `libcudadevrt.a`

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 `libcusparse.dylib`, `libcusparse_static.a`

Linux `libcusparse.so`, `libcusparse_static.a`

Android `libcusparse.so`, `libcusparse_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, libnppim_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

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 nvrtc.h

Windows nvrtc.dll, nvrtc-builtins.dll

Mac OSX libnvrtc.dylib, libnvrtc-builtins.dylib

Linux libnvrtc.so, libnvrtc-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

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21 NVIDIA cuDNN

<https://docs.nvidia.com/deeplearning/cudnn/sla/index.html>

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(v. January 28, 2020)

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22 TecoGAN

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23 TecoGAN-PyTorch

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24 RAFT

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27 region-fill-dirichlet

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31 ptlflow / dpflow

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32 InterpAny-Clearer

<https://github.com/zzh-tech/InterpAny-Clearer>

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33 EMA-VFI

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34 DISTS

<https://github.com/dingkeyan93/DISTS>

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35 pu21

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36 pytorch lightning

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37 PerceptualSimilarity

<https://github.com/richzhang/PerceptualSimilarity>

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