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CUDA is a parallel computing platform and application programming interface (API) model created by Nvidia. It allows software developers and software engineers to use a CUDA-enabled graphics processing unit (GPU) for general purpose processing – an approach termed GPGPU (General-Purpose computing on Graphics Processing Units).

CUDA - Wikipedia

CUDA Runtime API The CUDA runtime API. CUDA Driver API The CUDA driver API. CUDA Math API The CUDA math API. cuBLAS The cuBLAS library is an implementation of BLAS (Basic Linear Algebra Subprograms) on top of the NVIDIA CUDA runtime.

CUDA Toolkit Documentation - Nvidia

5 THREAD GROUP Base type, the implementation depends on its construction. Unifies the various group types into one general, collective, thread group.

Kyrylo Perelygin, Yuan Lin GTC 2017 - GTC On-Demand

In November 2006, NVIDIA introduced CUDA ®, a general purpose parallel computing platform and programming model that leverages the parallel compute engine in NVIDIA GPUs to solve many complex computational problems in a more efficient way than on a CPU.

Programming Guide :: CUDA Toolkit Documentation

Felipe A. Cruz Tutorial on GPU computing With an introduction to CUDA University of Bristol, Bristol, United Kingdom.

Tutorial on GPU computing - Lorena A. Barba

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Eagle Cuda 240 S/GPS Installation And Operation

In this article I will discuss how you can use OpenGL textures and buffers in a CUDA kernel. I will demonstrate a simple post-process effect that can be applied to off-screen textures and then rendered to the screen using a full-screen quad.

OpenGL Interoperability with CUDA - Helping you build your

this type of algorithm has already been

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Windows XP Drivers for NVIDIA Geforce GTX 970, 980, 980 TI

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