CUDA – Rechnen mit der GPU

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GPU – What is that?
GPGPU allgemein

CPU

GPU
CUDA

- Predefined Libraries like:
  - AmgX – linear solver
  - cuDNN – deep learning
  - cuFFT – Fast Fourier Transforms
  - FFmpeg
- Unified Memory
Toolchain

• Visual Studio 2015
• CUDA Toolkit
• Tutorial: https://devblogs.nvidia.com/parallelforall/even-easier-introduction-cuda/
• Then maybe: http://docs.nvidia.com/cuda/cuda-c-programming-guide/index.html