

CUDA



CUDA is like OpenCL, but only works on NVIDIA hardware.

Advantages

It can be fully tuned on NVidia hardware, adding some extra percentages in performance. CUDA can be written in C, C++ and Fortran

Hardware

NVidia hardware, being GeForce GPUs, Tesla accelerators and Tegra mobile GPUs.

It works with CPUs using a special compiler.

AMD has made a tool to convert CUDA-code to work with their hardware.