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Titolo:

An Overview of CudaLink

Introduzione:

In recent years Central Processing Unit clock rate has stagnated and emphasis has been on increasing the number of cores. On the other hand, Graphics Processing Units have always been multiple core and they continue to increase in both clock cycle and number of cores.

CUDA and OpenCL provide a parallel model flexible enough to tackle some challenging problems. CudaLink is a Mathematica package aimed at simplifying the process of GPU programming.

Some of the features and functionality will be outlined in this talk.