GPU Computing: Übung #11

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Inhaltsverzeichnis

Reading:GPU-accelerated molecular modeling coming of age

This article is splited in two parts. At first the autor gives an short introduction in the hardware design of gpus and their programming model. Then he gives a overview over different applications for gpu programming in the area of melecular modeling, like calculations in molecular quantum chemistry or many others. One of the reasons for the broad spectrum of applications is that after the launch of CUDA and Open CL it is possible to make use of gpus without knowing deep hardware details. In the end he gives an short look in the future, with topics like the arise of gpu clusters. I actually dont really like this paper that much. After the introduction in gpus its more or less a collection with some applications mentioning very much of detailed facts. So i dont get what the actual target audience should be.