ID de Contribution: **1**   Type: **Non spécifié**

Programmation d'accélérateurs par directives : OpenHMPP et OpenACC

jeudi 20 décembre 2012 14:30 (1 heure)

OpenHMPP (HMPP for Hybrid Multicore Parallel Programming) - programming standard for Heterogeneous computing. Based on a set of compiler directives, standard is a programming model designed to handle hardware accelerators without the complexity associated with GPU programming.

The OpenACC Application Program Interface describes a collection of compiler directives to specify loops and regions of code in standard C, C++ and Fortran to be offloaded from a host CPU to an attached accelerator. OpenACC is designed for portability across operating systems, host CPUs, and a wide range of accelerators, including APUs, GPUs, and many-core coprocessors.

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