

M2-BigData : GPGPU
Chapter 13 – Exercice 1

Objectives

Write a first simple OpenACC code.

Instructions

1. Write a CPU version of the vectorAdd code from Chapter 3.
2. Write a second version using OpenACC directives with explicit data movement directives

Questions

1. Use the profiler to compare the 2 versions of vector add : CUDA and OpenACC. Are the execution time of the whole algorithm (transfers + computations) are almost the same? Explain ?