ASTR415 Spring 2009   Alternate Term Project

Due May 7, 2009

Rewrite part or all the PP N-body code you wrote for HW6 to be run on GPUs. You can use CUDA programming language (Nvidia GPUs) or any other programming language for GPUs. Repete PS6 and compare the performance of CPU and GPU as you increase the number of N-body particles. The essetial part of the code that needs to run on GPU is the PP part (direct summation of particle forces).

Write a report similar to HW6 and prepare a 10-15 min presentation to be given in class the 7th or the 12nd of May.