

Parallel Programming

Lab 3

Tasks:

1. Inspect, compile, execute and experiment with the programs discussed in lecture. They can be downloaded from the module's web page.
2. Using `runningAvgShared` as a starting point, write a program that calculates the sum of all elements in an array of 1,000,000 elements. Name your program `arraySum0`. When you have a working version copy the files to a directory called `arraySum1` and attempt an optimization. After each successful optimization copy the files to a directory `arraySumn` and continue. Make sure that each version discusses in the comments what is the inefficiency that is being addressed and how. Also make sure that you point out any further inefficiencies that you have identified even if you don't have time to address them.