

Assignment 2

Write an MPI program that computes pi using the Monte Carlo method described in the lecture slides for Chapter 3, slides 19-20, using n processes where n can be varied prior to execution (static process creation). Run the program on sol. Time the program with 1 process, 2 processes, 10 processes, and 100 processes. Compare your results with the exact value for pi (3.141592653589793238462643).

Submit hardcopy of the source file and output (no email submissions please.)

Extra credit (10%): Use n processes dynamically created where n is input from the keyboard.