Exercises for Chapter 8 "Dense Matrix Algorithms"

April 7, 2013

Exercise 1

Make an MPI implementation of the parallel matrix-vector multiplication, such that the data decomposition is 2D and the number of MPI processors is fewer than n^2.

Exercise 2

Make an MPI implementation of the parallel matrix-matrix multiplication, following the simple parallel algorithm outlined in Section 8.2.1 of the textbook.