

Homework 4 (Reading Only)

- **Read Chapters 4-6 in Using MPI by Gropp et al. and review the more advanced MPI routines**
 - The OpenMPI manual can also be used
- **Read Chapter 6 of Introduction to Parallel Computing by Grama et al. if you purchased the book.**
- **Exercise (not for credit)**
 - Write a routine that uses MPI_Send and MPI_Receive to find the minimum and maximum of a set of 100 random numbers
 - Write another routine that uses MPI_Reduce to find the minimum and maximum instead of MPI_Send and MPI_Receive
 - Compare the wall clock time for the two routines using MPI_Wtime.