

Homework 1
CSC 469/585

Due date: Dec 15, 2008

1) Read the following article, then summarize main ideas (no more than 1 page).
(50%)

<http://www.gotw.ca/publications/concurrency-ddj.htm>

2) login to azul and do the follows (50%)

- a) create a directory hw1
- b) copy files, ring.c, minihosts from my home directory
- c) modified minihosts file to include 2, 4, 8, 16 nodes and create 4 different hostfiles
- d) add time functions to the ring.c at the beginning of MPI code (e.g. before MPI_Init) and the end of MPI code (e.g. MPI_finalize)
- e) run your ring code with np = 2, 4, 8, 16, 32, 64 on different host file configurations and record wall clock times for each run.