CS 4373/6373 High Performance Computing
Final Assignment Files List

Author: Connor Coleman and Albie Luckas
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Filename	Short Description
atsp_pth.c	A C program file used to compile the atsp project code
atsp_pth.sh	A bash script to run the atsp program five times for thread counts 1, 2, 4, 8, 16, and 32.
timer.h	A C header file used to do timing functions in atsp_pth.c
ATSP_Programming_Assignment_Report.pdf	A report for the ATSP programming project with timing graphs, explanation of algorithms, and scalability analysis
Gaussian.c	A serial computation of the Determenant
GaussianPThreads.c	The parralelization of previous using GaussianPThreads
timer.h	A header file for timing
Determenant.txt	The results of one run through each matrix to verify the results, as they appeared in the terminal.
Time.txt	The median time across 3 runs for every combination of thread count and size tested, pulled from the terminal and formated into a tab seperated table.
Gaussian_Elimination_Determinants.pdf	A report on the determinant programing task
Gaussian_Elimination_Determinants.tex	Source for the determinant report pdf
Final_Assignment_Files_List.pdf	List of files turned in
HPC_Final_Presentation.pptx	Powerpoint presentation of the final projects