hw1.tgz or hw1.zip

Download and unpack on a Mac OS/X system (or any Linux system). If you use Windows, please check that both make and gcc are on your machine. If you use eclipse, you need a C or C++ compiler with OpenMP built in. Any version of gcc from 4.2.1 on should work.

This directory contains source code that will be useful in homework 1. The files

are as follows:

Makefile A file for making programs using the command line tool make.

matrices.h A file containing the headers for the files in matrices.c.

matrices.c A file containing routines to allocate and generate blocks in a matrix.

Information about the block dimensions and matrix dimensions for

computing C = AB for matrices A, B, and C can be written to or read

from a disk file. The individual blocks of a matrix can be written to or

read from disk files. Blocks can be printed while in computer memory.

timing.c A function mrun() is defined for timing with a resolution of about

1 microsecond. This function has been tested on OS/X and Linux.

mkmatrices.c A file containing a main program that calls all of the routines in

both matrices.c and timer.c. It can be used as an example of

how to call the functions.

To start, make the example system on a Mac OS/X system in a *Terminal* (Finder app: Application -> Utilities -> click on Terminal) window using the command:

make run

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Good luck,

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