Homework 13  
Due December 5 in class  
10 points

Demonstrate to me that you can submit a Matlab job and successfully have it run on ACCRE.

While you can, and certainly should, try to run the job simply from the command line when you connect to ACCRE to make sure it works, I want to see that you can submit a Matlab job to the SLURM scheduler and have it run as a batch job. That is what this assignment is for.

The Matlab program can be anything, preferably something simple. Obviously, it has to be something that does not require any kind of I/O with a user. Remember that jobs queued up to run on ACCRE can only read files, do computations, and write files. You can make figures, but those figures need to be saved as files. The Matlab program can be something you already wrote for an earlier homework assignment. Anything, so long as it is Matlab and so long as it is of the sort that is written to run on ACCRE – it can read files, do computations, and write files.

The first thing you should submit is the Matlab file(s) you submitted to be run on ACCRE.

You should submit to me any files you needed to create in order to run the job via SLURM. Make sure the job submission files are created appropriately – that you’re asking for the right number of cores and for the right amount of time necessary to run the Matlab script and the like.

You should submit to me any files created as part of running the job via SLURM. These could be log files created on the cluster, or they could be files created by your Matlab program.

You must set up the SLURM job to send alerts via email to you. You should submit to me pdf files of all the emails ACCRE/SLURM send you (when the job begins, when it ends).

All the files above should be ZIPed together and submitted on Blackboard.

Unexcused late assignments will be penalized 10% for every 24 hours late, starting from the time class ends, for a maximum of two days, after which they will earn a 0.