



#SBATCH --nodes=1

#SBATCH --cpus-per-task=20

was used to run the job on euler01. I have used a maximum of 40 threads to test the code.

Upto 8 threads the log-log plot is very linear, and the performance does not get any better after we pass the 20-threads mark. This is because of hyperthreading, where the processors have to share resources.