

EXERCISE 3 - APPROXIMATE π WITH MPI

The aim of this exercise is to approximate π using the midpoint rule with MPI and comparing the results with the ones obtained with OpenMP (request in the previous exercise).

With the script *pi.sh* the MPI and the OpenMP versions of the code are runned (both with $N = 1e8$) and the obtained results are reported in the *pi_mpi.txt* and *pi_omp.txt* files.

Finally the plot below shows the difference in time between the 2 codes.

