

Exercise 1:
 $n = 100000000$

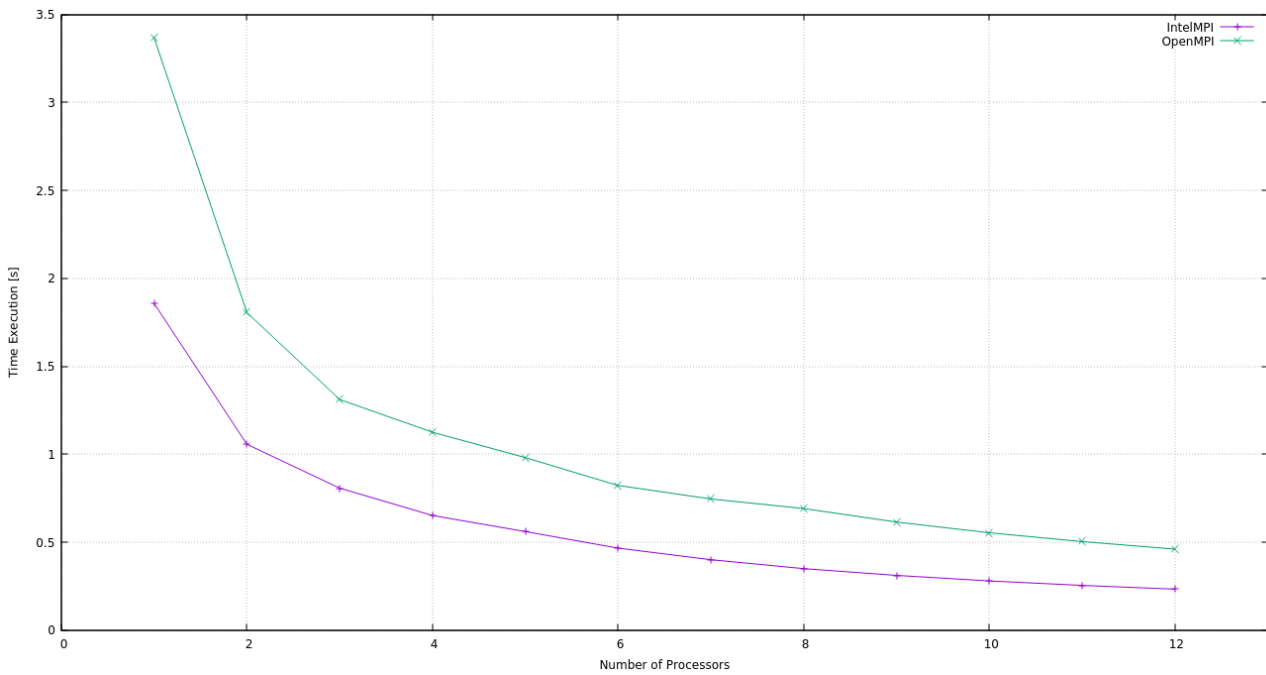


Figure 1: IntelMPI vs OpenMPI by Trapezium rule

Exercise 2:
 $n = 100000000$

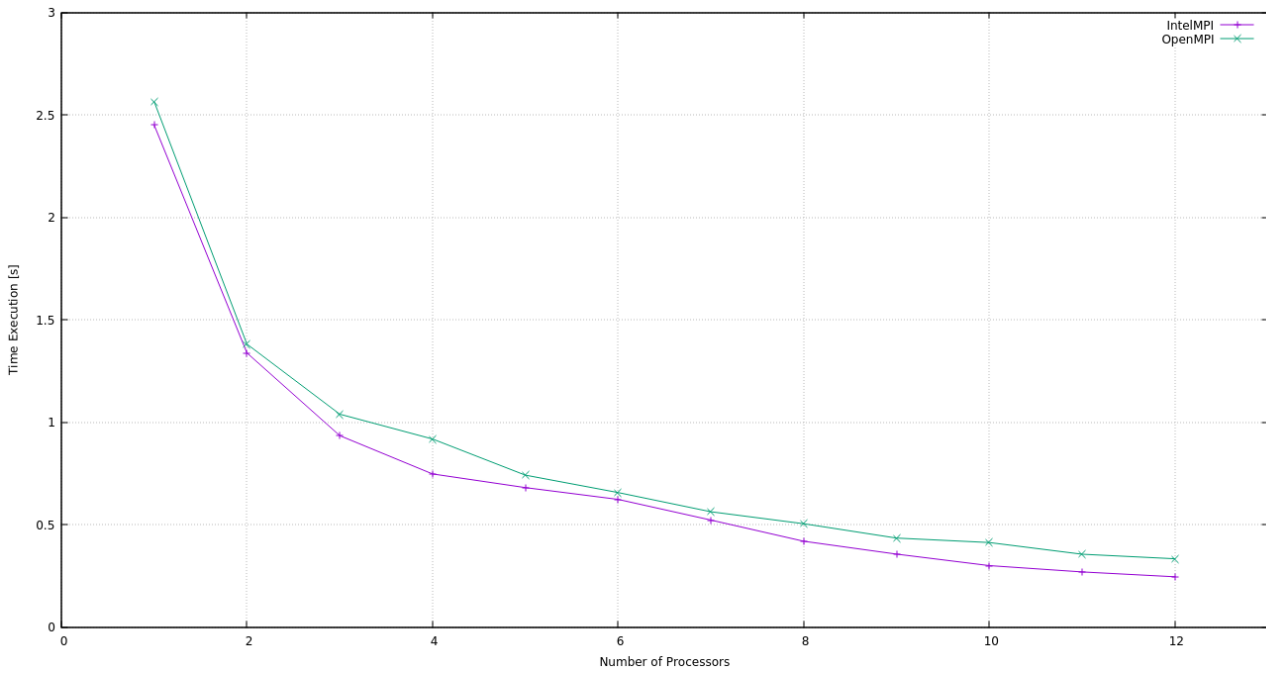


Figure 2: IntelMPI vs OpenMPI by Simpson's Rules with Boost::MPI libs

Exercise 3:
chunk_size = 100000000
error = 0.001

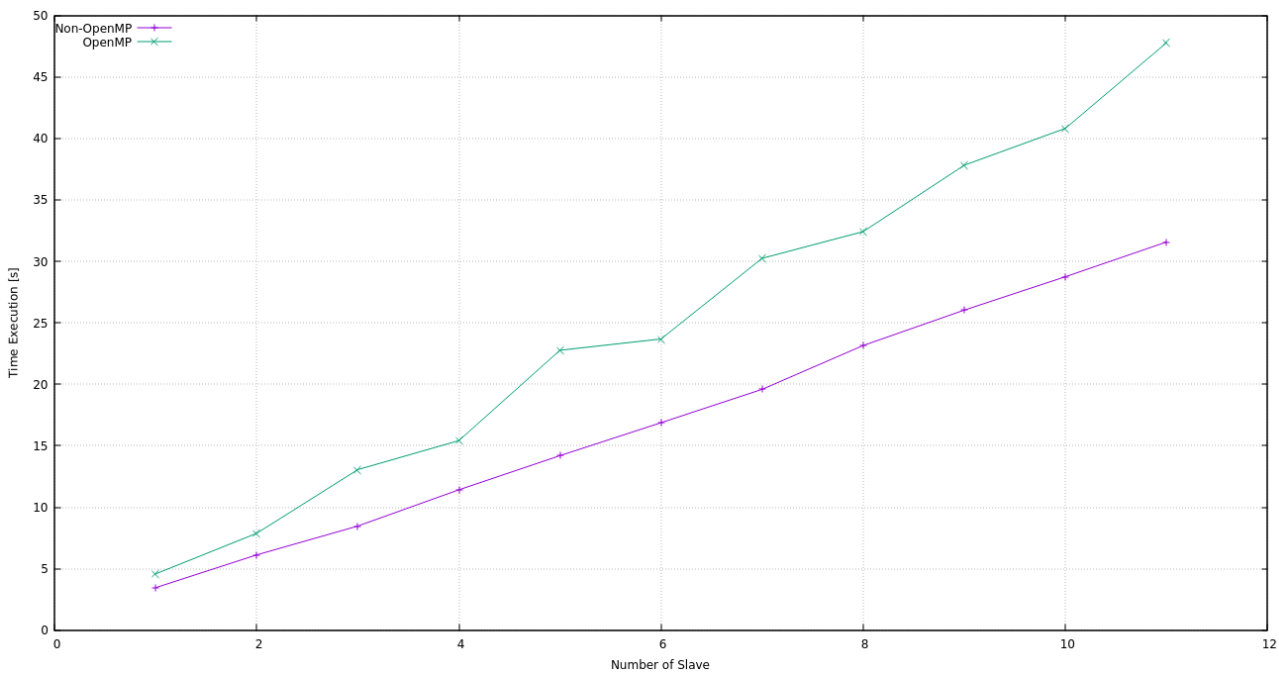


Figure 3: Non-using-OpenMP vs Using-OpenMP by a Monte-Carlo method