Report for Assignment [boost]MPI: Back to Basis with π

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Exercise 1: n = 100000000

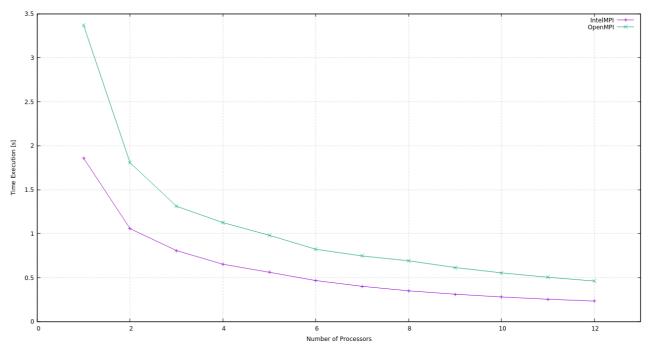


Figure 1: IntelMPI vs OpenMPI by Trapezium rule

Exercise 2: n = 100000000

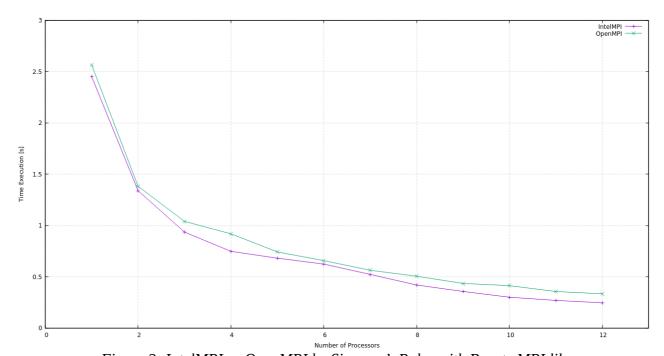


Figure 2: IntelMPI vs OpenMPI by Simpson's Rules with Boost::MPI libs

Exercise 3:

chunk_size = 100000000 error = 0.001

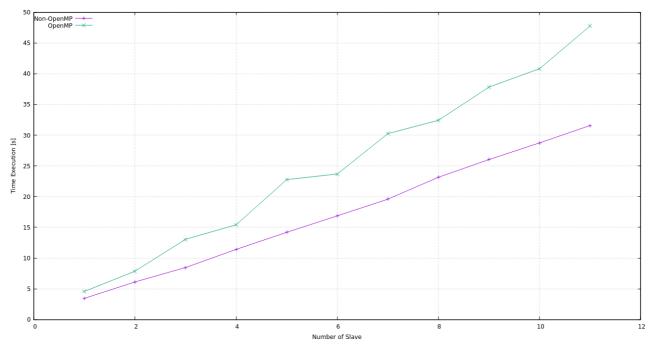


Figure 3: Non-using-OpenMP vs Using-OpenMP by a Monte-Carlo method