EXPLORE MPI APIs

A simple MPI send and receive program was written to explore the various variation of Send and Recv. Blocking, buffering different variations were observed.

https://stackoverflow.com/questions/10017301/mpi-blocking-vs-non-blocking

This link talked about when blocking call is returned and it is depend upon the implementation of the API. mpich uses a buffered blocking in MPI_Send in which Send is returned after the data is filled in the buffer, it is not necessary that data should be sent. Buffering puts an limitation on the upper bound on the data that can be send. I observed code stalling at n = 8^5.