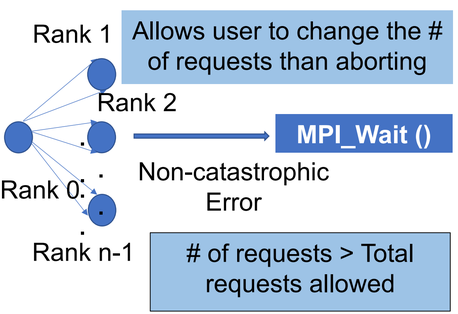
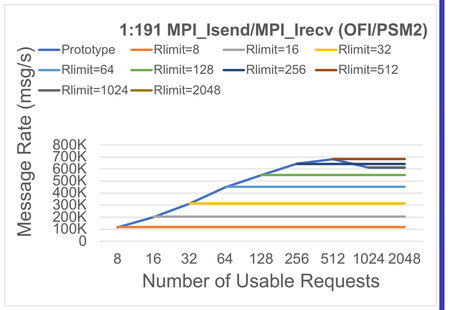
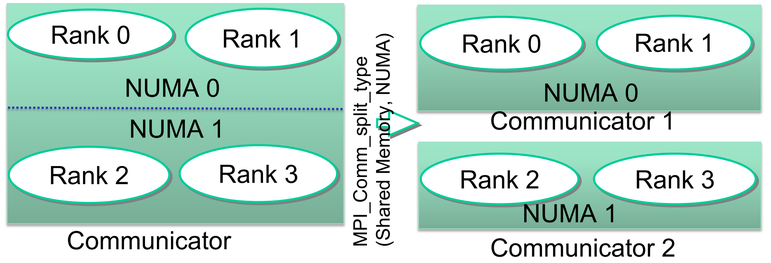
Non-catastrophic Errors

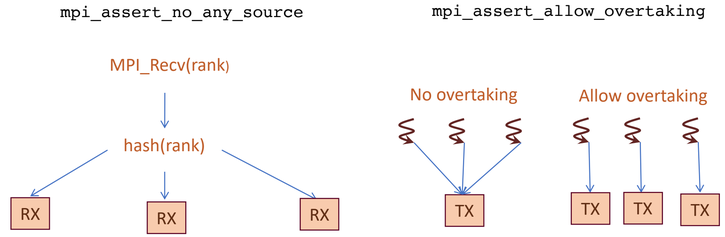




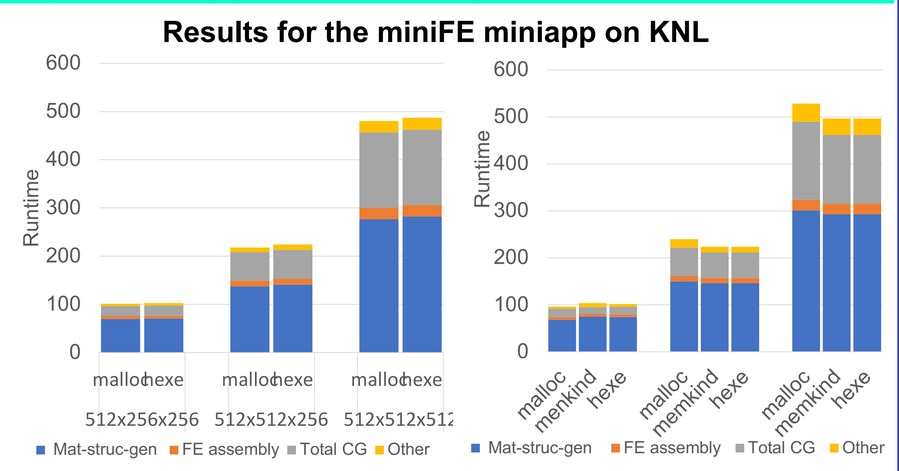
Communicator Creation Hints based on Topology Awareness



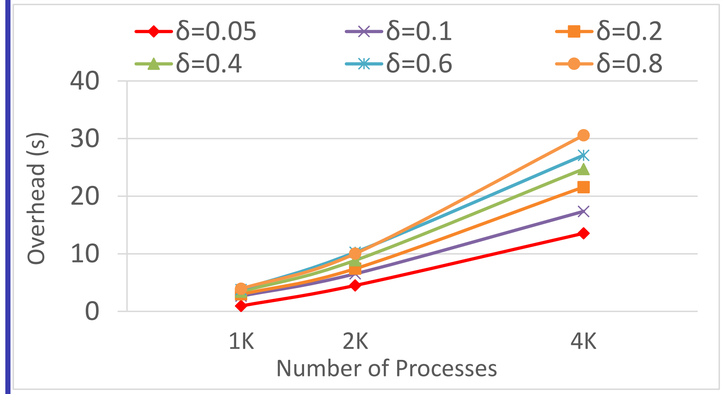
Communication Behavior Hints



Improved Support for Heterogeneous Memory



Optimizations to Virtual Topology Functionality



Phase 1 overheads for the sparse random graph topology across different number of processes

Work-Queue Data Transfer Model