

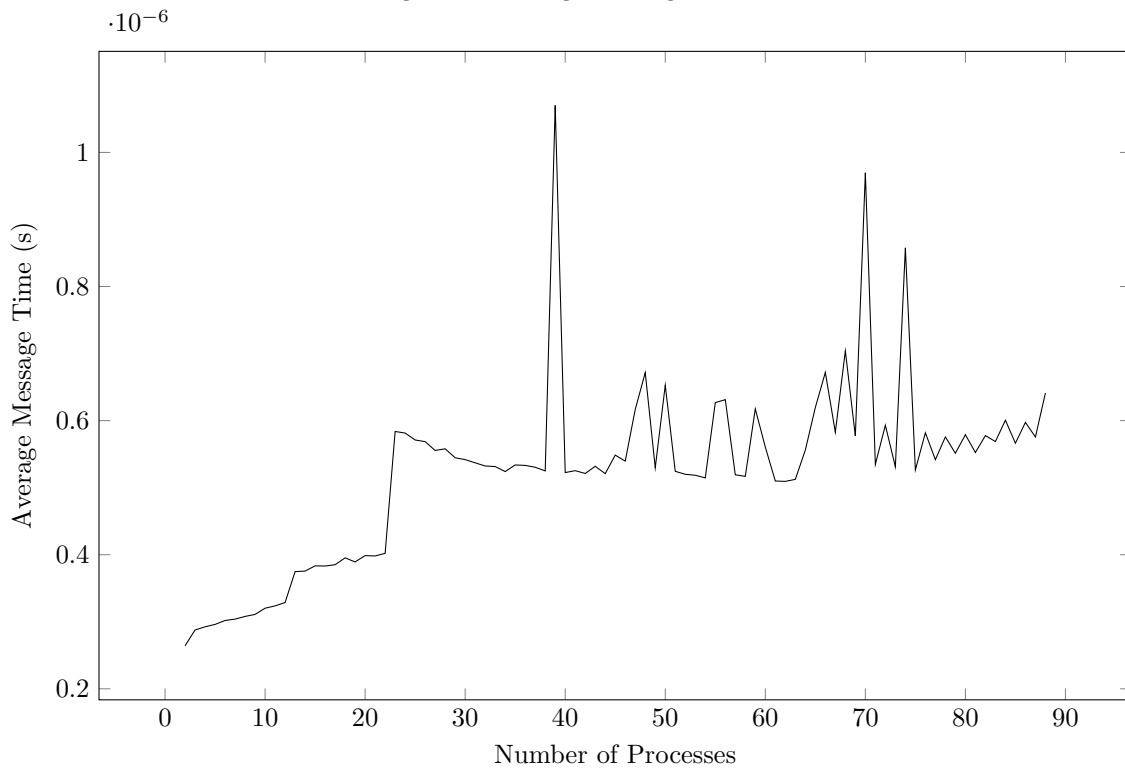
CSE 6230: High-Performance Parallel Computing

Exercise 6: MPI Ring Test

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Figure 1: Average Message Time



The scatter ring test has an average time of 1.98501×10^{-6} , compared to 2.9248×10^{-7} for the same non-scattered ring test. The time for the scattered test is much larger because there are much higher message passing delays between different nodes than there are between CPUs on the same node.