

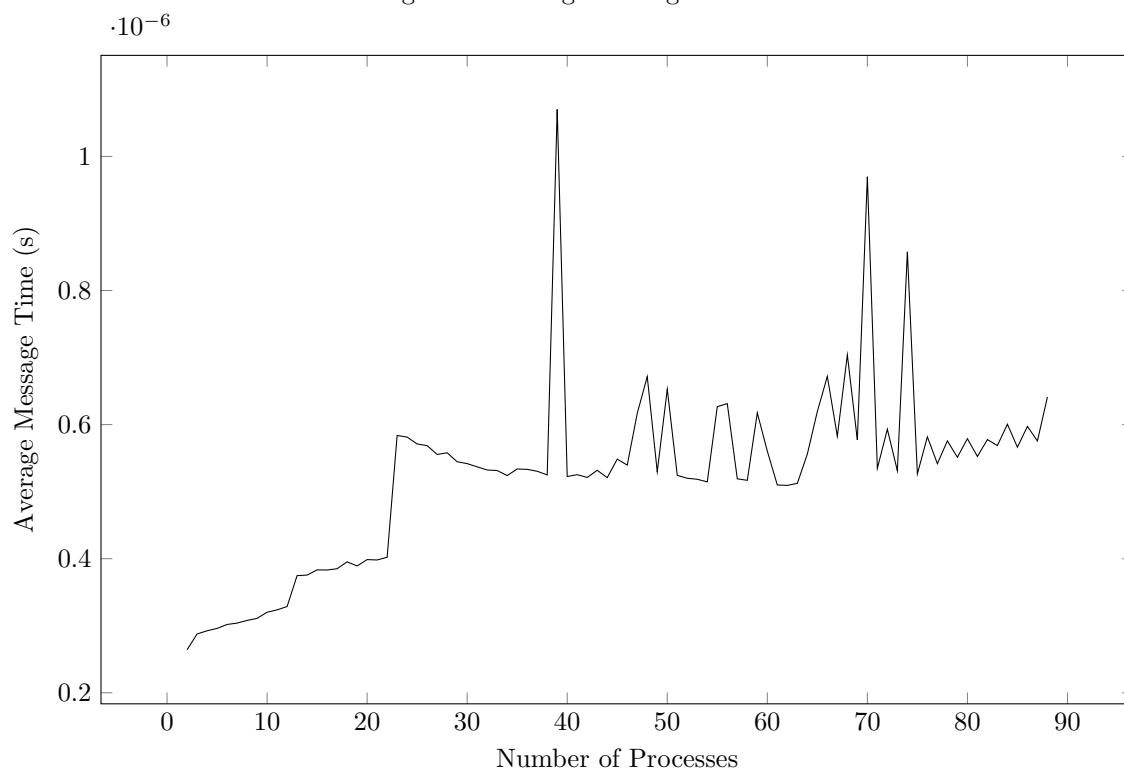
CSE 6230: High-Performance Parallel Computing

Exercise 6: MPI Ring Test

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20 Oct, 2021

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 due to the higher message passing delay between separate nodes, which need to communicate over a network, instead of internally within one node.