Time per Frame for Communication Patterns 8.565 1 ■ Computation Time 0.9 ■ Communication Time 0.8 0.7 0.6 **Time (s)** 0.5 0.4 0.3 0.2 0.1 0

Single Node

4x4 Cluster

8x8 Cluster

16x16 Cluster

Fully Distributed

Single Column