Overall Time Spent on General and Hierarchical Algorithm at Different Edge Densities (200 realizations each), basis calculation disabled 14909.879 General Algorithm 14000 Hierarchical Algorithm 12000 10000 7955,468 8000 6000 3922 4000 1740,265 2000 11.582 55.556 208.972 663.85 0 0.0760.8723.884 $10.\overline{3}66$ 15.466

0.5

Edge Density

0.6

0.7

0.8

0.9

Total Time Spent (seconds)

0.1

0.2

0.3

0.4