sparse array length versus the time requried for 1000 time get at rank operations sparsity 0.000200 1000 time_get_at_rank operations (s) 0.01 0.05 0.000175 0.1 0.2 0.000150 0.000125 0.000100 0.000075 0.000050 of 0.000025

600000

sparse array length

800000

1000000

400000

0.000000

200000