Iterations at each wavenumber k, accuracy $= 10^{-16}$ 1 SV requested 2 SV requested - 1.0 1.0 2000 restarts 0.8 0.8 matrixXvector 400 1500 0.6 0.6 1000 0.40.4200 500 0.2 0.2 0 0.0 0 0.0 0 2 4 6 8 10 2 4 6 8 10 4 SV requested 8 SV requested 1.0 1.0 500 400 0.8 0.8 400 300 0.6 0.6 300 200 0.40.4200 100 0.2 0.2 100 0 0.0 0 0.0 6 8 0 2 4 10 0 2 4 6 8 10 16 SV requested 32 SV requested 1.0 1.0 400 0.8 300 0.8 300 0.6 0.6 200 200 0.4 0.4 100 100 0.2 0.2 0 0 0.0 0.0 2 4 6 8 10 2 4 6 8 10 0 0 64 SV requested 100 SV requested 200 1.0 200 1.0 0.8 0.8 150 150 0.6 0.6 100 100 0.4 0.450 50 0.2 0.2

0

0

2

4

wavenumber k

6

8

0.0

10

0.0

10

iterations

iterations

iterations

iterations

0

0

2

6

4

wavenumber k

8