

Time for assembling  $\mathcal{H}$ -matrix

$10^1$

$10^0$

$10^{-1}$

0.0

0.2

0.4

0.6

0.8

1.0

Compression

0.01

0.1

0.5

0.9

1.0

0 blocks

0.01

0.1

0.5

0.9

1.0

0 blocks

1.0

0 blocks

values of  $\varepsilon$  with



$\eta=10.0$



$\eta=1.0$



$\eta=0.1$