$L^2$  norm of error with N=40 and  $\eta = 0.1$ 0.0014 0.0014 0.0014 0.0013 0.012 0.0013 0.0012 0.0011 0.018 0.019 0.002 0.0013 0.0014 0.0011 0.0013 0.022 20 30 40 50

Number of hidden neurons

2

Number of hidden layers

 $\mathbf{\Omega}$