$L^2$  norm of error with N=20 and  $\eta = 0.1$ 0.029 0.034 0.022 0.012 0.016 0.017 0.036 0.034 0.015 0.017 0.031 0.014 0.016 0.016 0.011 0.037 20 30 40 50

Number of hidden neurons

2

Number of hidden layers

 $\mathbf{\Omega}$