$L^2$  error norm with N=50 and  $\eta = 1.0$ -0.11 -0.1 -0.095 -0.12 2 Number of hidden layers -0.14 -0.16 -0.14 -0.12 -0.15 -0.15 -0.17-0.12 -0.14 -0.13 -0.17-0.15  $\mathbf{\Omega}$ 2 4 5

Number of hidden neurons