$L^2$  norm of error with N=30 and 30 hidden neurons 0.001 1.4 1.2 0.98 1.3 0.01 0.079 0.073 0.066 0.084 0.1 0.017 0.013 0.014 0.012 0.0096 0.0077 0.0094 0.009 2 4 5

Number of layers