$L^2$  norm of error with N=30 and 30 hidden neurons 0.001 0.021 0.017 0.016 0.013 0.01 0.0054 0.0045 0.0047 0.0047 0.1 0.0037 0.0037 0.0037 0.0038 0.0037 0.018 0.083 0.0037 2 4 5

Number of layers