L^2 norm of error with N=30 and 3 hidden layers 0.01 0.005 0.0045 0.0048 0.0049 0.05 0.004 0.0039 0.0037 0.004 0.1 0.0039 0.0063 0.0038 0.0037 0.087 0.0036 0.023 0.13 30 40 50 60 Number of neurons in hidden layers