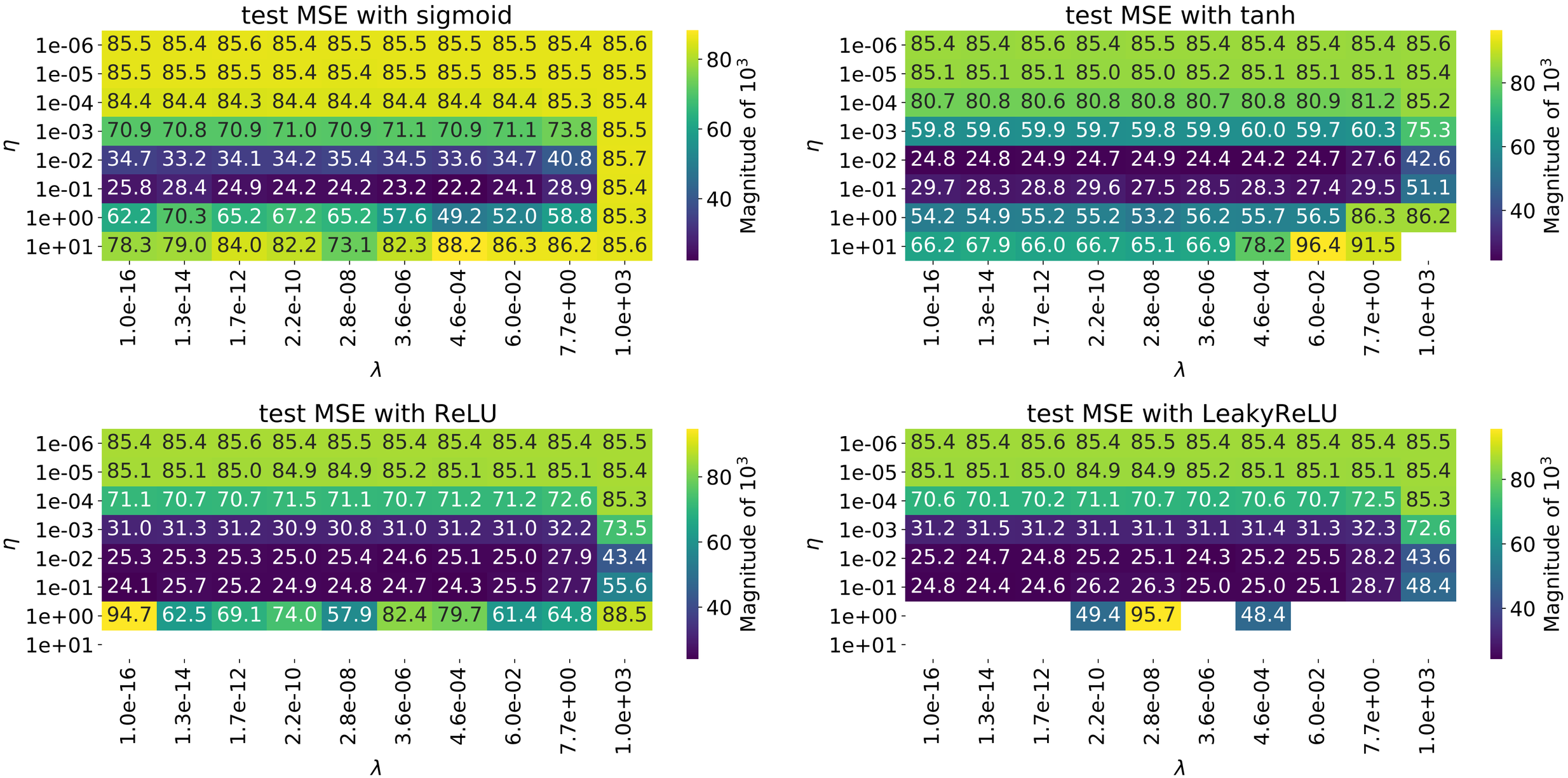
test MSE with sigmoid
1e-06 85.5 85.4 85.6 85.4 85.5 85.5 85.5 85.5 85.4 85.6
1e-05 85.5 85.5 85.5 85.4 85.4 85.5 85.5 85.5 85.5 85.5
1e-04 84.4 84.4 84.3 84.4 84.4 84.4 84.4 84.4 85.3 85.4
1e-03 70.9 70.8 70.9 71.0 70.9 71.1 70.9 71.1 73.8 85.5
1e-02 34.7 33.2 34.1 34.2 35.4 34.5 33.6 34.7 40.8 85.7
1e-01 25.8 28.4 24.9 24.2 24.2 23.2 22.2 24.1 28.9 85.4
1e+00 62.2 70.3 65.2 67.2 65.2 57.6 49.2 52.0 58.8 85.3
1e+01 78.3 79.0 84.0 82.2 73.1 82.3 88.2 86.3 86.2 85.6
1.0e-16 1.3e-14 1.7e-12 2.2e-10 2.8e-08 3.6e-06 4.6e-04 6.0e-02 7.7e+00 1.0e+03
η
λ
Magnitude of 10^3
80
60
40
test MSE with tanh
1e-06 85.4 85.4 85.6 85.4 85.5 85.4 85.4 85.4 85.4 85.6
1e-05 85.1 85.1 85.1 85.0 85.0 85.2 85.1 85.1 85.1 85.4
1e-04 80.7 80.8 80.6 80.8 80.8 80.7 80.8 80.9 81.2 85.2
1e-03 59.8 59.6 59.9 59.7 59.8 59.9 60.0 59.7 60.3 75.3
1e-02 24.8 24.8 24.9 24.7 24.9 24.4 24.2 24.7 27.6 42.6
1e-01 29.7 28.3 28.8 29.6 27.5 28.5 28.3 27.4 29.5 51.1
1e+00 54.2 54.9 55.2 55.2 53.2 56.2 55.7 56.5 86.3 86.2
1e+01 66.2 67.9 66.0 66.7 65.1 66.9 78.2 96.4 91.5
1.0e-16 1.3e-14 1.7e-12 2.2e-10 2.8e-08 3.6e-06 4.6e-04 6.0e-02 7.7e+00 1.0e+03
η
λ
Magnitude of 10^3
80
60
40
test MSE with ReLU
1e-06 85.4 85.4 85.6 85.4 85.5 85.4 85.4 85.4 85.4 85.5
1e-05 85.1 85.1 85.0 84.9 84.9 85.2 85.1 85.1 85.1 85.4
1e-04 71.1 70.7 70.7 71.5 71.1 70.7 71.2 71.2 72.6 85.3
1e-03 31.0 31.3 31.2 30.9 30.8 31.0 31.2 31.0 32.2 73.5
1e-02 25.3 25.3 25.3 25.0 25.4 24.6 25.1 25.0 27.9 43.4
1e-01 24.1 25.7 25.2 24.9 24.8 24.7 24.3 25.5 27.7 55.6
1e+00 94.7 62.5 69.1 74.0 57.9 82.4 79.7 61.4 64.8 88.5
1e+01
1.0e-16 1.3e-14 1.7e-12 2.2e-10 2.8e-08 3.6e-06 4.6e-04 6.0e-02 7.7e+00 1.0e+03
η
λ
Magnitude of 10^3
80
60
40
test MSE with LeakyReLU
1e-06 85.4 85.4 85.6 85.4 85.5 85.4 85.4 85.4 85.4 85.5
1e-05 85.1 85.1 85.0 84.9 84.9 85.2 85.1 85.1 85.1 85.4
1e-04 70.6 70.1 70.2 71.1 70.7 70.2 70.6 70.7 72.5 85.3
1e-03 31.2 31.5 31.2 31.1 31.1 31.1 31.4 31.3 32.3 72.6
1e-02 25.2 24.7 24.8 25.2 25.1 24.3 25.2 25.5 28.2 43.6
1e-01 24.8 24.4 24.6 26.2 26.3 25.0 25.0 25.1 28.7 48.4
1e+00 49.4 95.7 48.4
1e+01
1.0e-16 1.3e-14 1.7e-12 2.2e-10 2.8e-08 3.6e-06 4.6e-04 6.0e-02 7.7e+00 1.0e+03
η
λ
Magnitude of 10^3
80
60
40