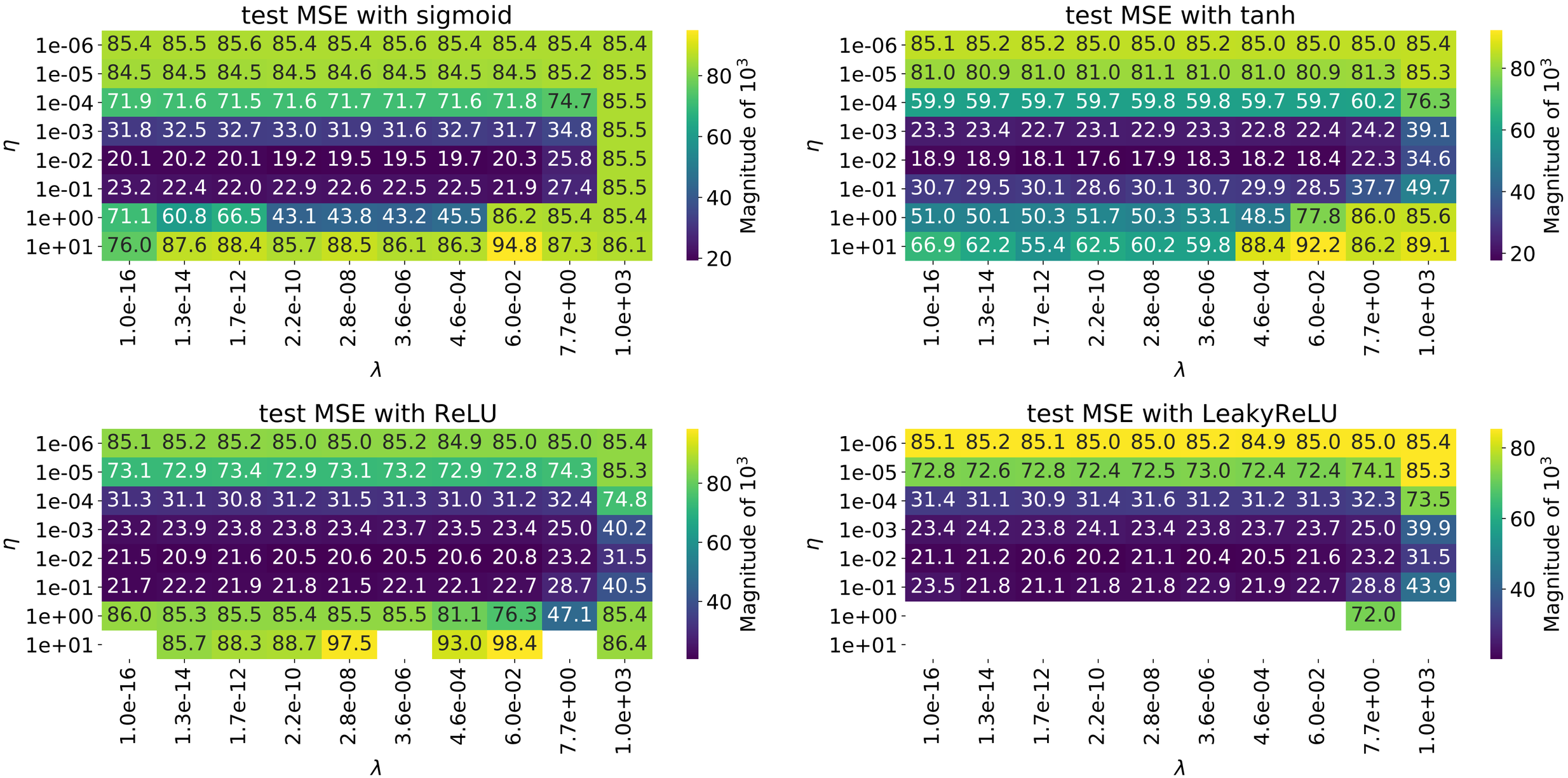
test MSE with sigmoid
η
1e-06 85.4 85.5 85.6 85.4 85.4 85.6 85.4 85.4 85.4 85.4
1e-05 84.5 84.5 84.5 84.5 84.6 84.5 84.5 84.5 85.2 85.5
1e-04 71.9 71.6 71.5 71.6 71.7 71.7 71.6 71.8 74.7 85.5
1e-03 31.8 32.5 32.7 33.0 31.9 31.6 32.7 31.7 34.8 85.5
1e-02 20.1 20.2 20.1 19.2 19.5 19.5 19.7 20.3 25.8 85.5
1e-01 23.2 22.4 22.0 22.9 22.6 22.5 22.5 21.9 27.4 85.5
1e+00 71.1 60.8 66.5 43.1 43.8 43.2 45.5 86.2 85.4 85.4
1e+01 76.0 87.6 88.4 85.7 88.5 86.1 86.3 94.8 87.3 86.1
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
λ
Magnitude of 10^3
80
60
40
20
test MSE with tanh
η
1e-06 85.1 85.2 85.2 85.0 85.0 85.2 85.0 85.0 85.0 85.4
1e-05 81.0 80.9 81.0 81.0 81.1 81.0 81.0 80.9 81.3 85.3
1e-04 59.9 59.7 59.7 59.7 59.8 59.8 59.7 59.7 60.2 76.3
1e-03 23.3 23.4 22.7 23.1 22.9 23.3 22.8 22.4 24.2 39.1
1e-02 18.9 18.9 18.1 17.6 17.9 18.3 18.2 18.4 22.3 34.6
1e-01 30.7 29.5 30.1 28.6 30.1 30.7 29.9 28.5 37.7 49.7
1e+00 51.0 50.1 50.3 51.7 50.3 53.1 48.5 77.8 86.0 85.6
1e+01 66.9 62.2 55.4 62.5 60.2 59.8 88.4 92.2 86.2 89.1
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
λ
Magnitude of 10^3
80
60
40
20
test MSE with ReLU
η
1e-06 85.1 85.2 85.2 85.0 85.0 85.2 84.9 85.0 85.0 85.4
1e-05 73.1 72.9 73.4 72.9 73.1 73.2 72.9 72.8 74.3 85.3
1e-04 31.3 31.1 30.8 31.2 31.5 31.3 31.0 31.2 32.4 74.8
1e-03 23.2 23.9 23.8 23.8 23.4 23.7 23.5 23.4 25.0 40.2
1e-02 21.5 20.9 21.6 20.5 20.6 20.5 20.6 20.8 23.2 31.5
1e-01 21.7 22.2 21.9 21.8 21.5 22.1 22.1 22.7 28.7 40.5
1e+00 86.0 85.3 85.5 85.4 85.5 85.5 81.1 76.3 47.1 85.4
1e+01 85.7 88.3 88.7 97.5 93.0 98.4 86.4
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
λ
Magnitude of 10^3
80
60
40
test MSE with LeakyReLU
η
1e-06 85.1 85.2 85.1 85.0 85.0 85.2 84.9 85.0 85.0 85.4
1e-05 72.8 72.6 72.8 72.4 72.5 73.0 72.4 72.4 74.1 85.3
1e-04 31.4 31.1 30.9 31.4 31.6 31.2 31.2 31.3 32.3 73.5
1e-03 23.4 24.2 23.8 24.1 23.4 23.8 23.7 23.7 25.0 39.9
1e-02 21.1 21.2 20.6 20.2 21.1 20.4 20.5 21.6 23.2 31.5
1e-01 23.5 21.8 21.1 21.8 21.8 22.9 21.9 22.7 28.8 43.9
1e+00 72.0
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
λ
Magnitude of 10^3
80
60
40