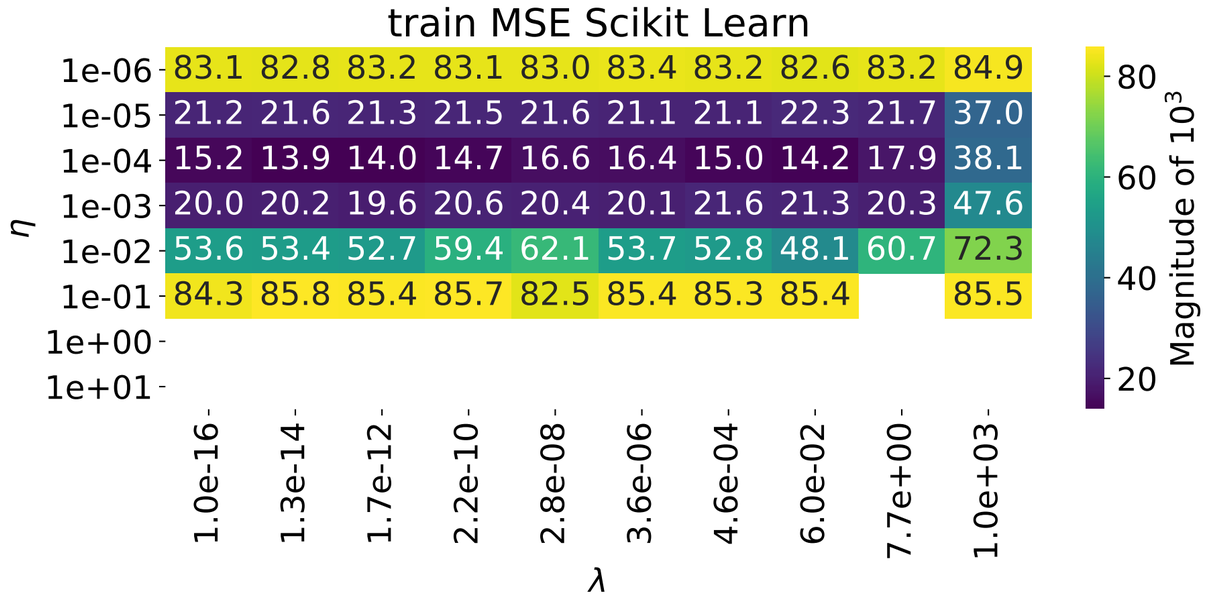
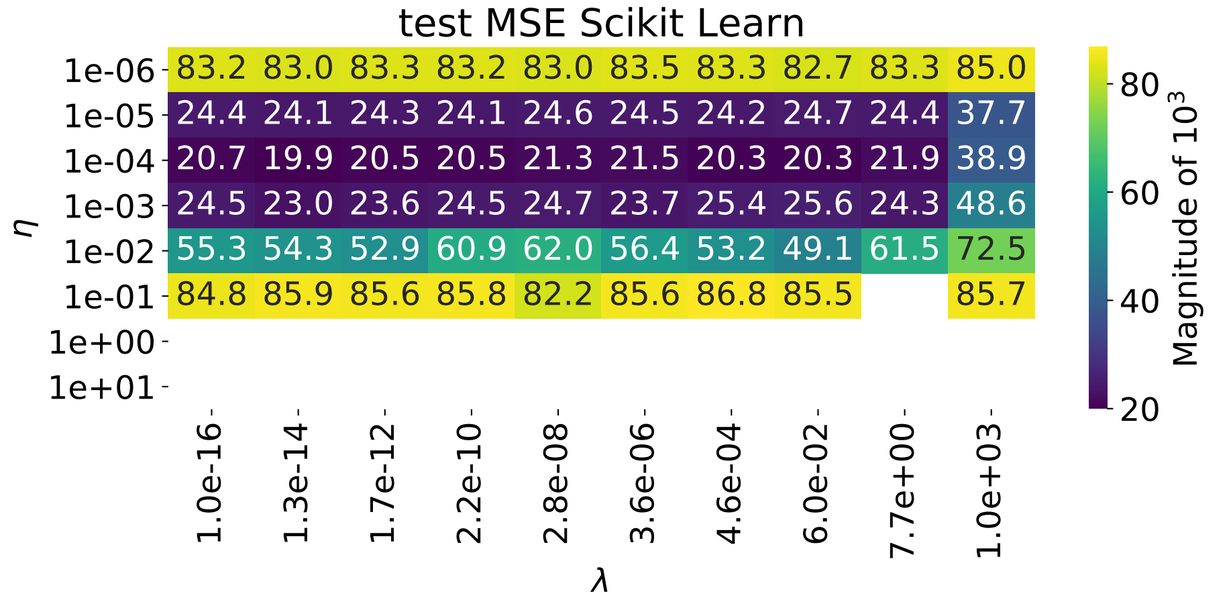
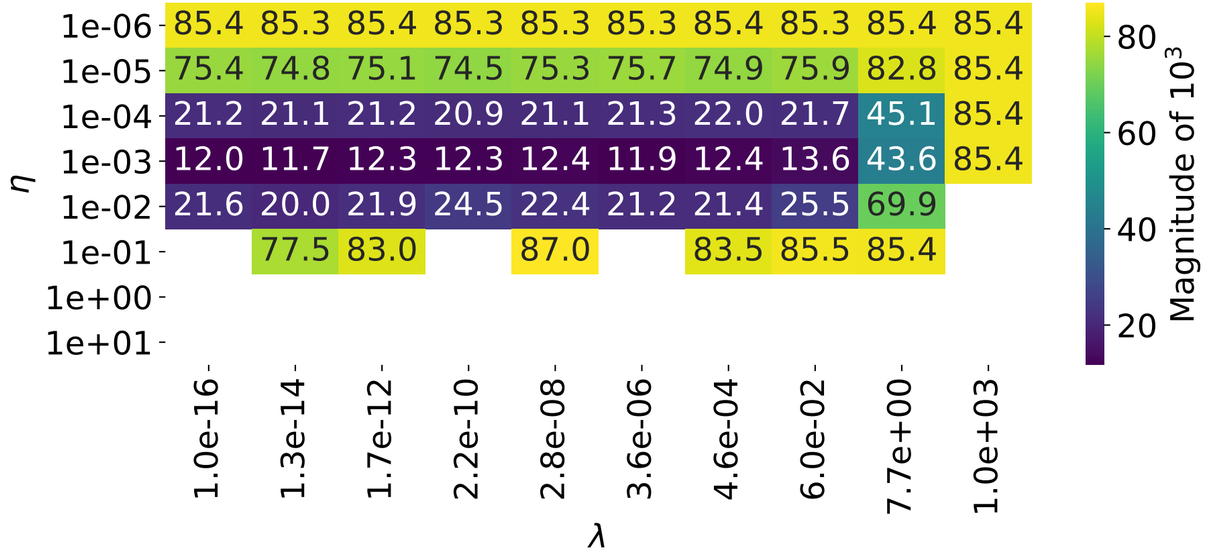

train MSE Scikit Learn
1e-06 83.1 82.8 83.2 83.1 83.0 83.4 83.2 82.6 83.2 84.9
1e-05 21.2 21.6 21.3 21.5 21.6 21.1 21.1 22.3 21.7 37.0
1e-04 15.2 13.9 14.0 14.7 16.6 16.4 15.0 14.2 17.9 38.1
1e-03 20.0 20.2 19.6 20.6 20.4 20.1 21.6 21.3 20.3 47.6
1e-02 53.6 53.4 52.7 59.4 62.1 53.7 52.8 48.1 60.7 72.3
1e-01 84.3 85.8 85.4 85.7 82.5 85.4 85.3 85.4 85.5
1e+00
1e+01
η
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
80 60 40 20
Magnitude of 10^3


test MSE Scikit Learn
1e-06 83.2 83.0 83.3 83.2 83.0 83.5 83.3 82.7 83.3 85.0
1e-05 24.4 24.1 24.3 24.1 24.6 24.5 24.2 24.7 24.4 37.7
1e-04 20.7 19.9 20.5 20.5 21.3 21.5 20.3 20.3 21.9 38.9
1e-03 24.5 23.0 23.6 24.5 24.7 23.7 25.4 25.6 24.3 48.6
1e-02 55.3 54.3 52.9 60.9 62.0 56.4 53.2 49.1 61.5 72.5
1e-01 84.8 85.9 85.6 85.8 82.2 85.6 86.8 85.5 85.7
1e+00
1e+01
η
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
80 60 40 20
Magnitude of 10^3


train MSE own NN
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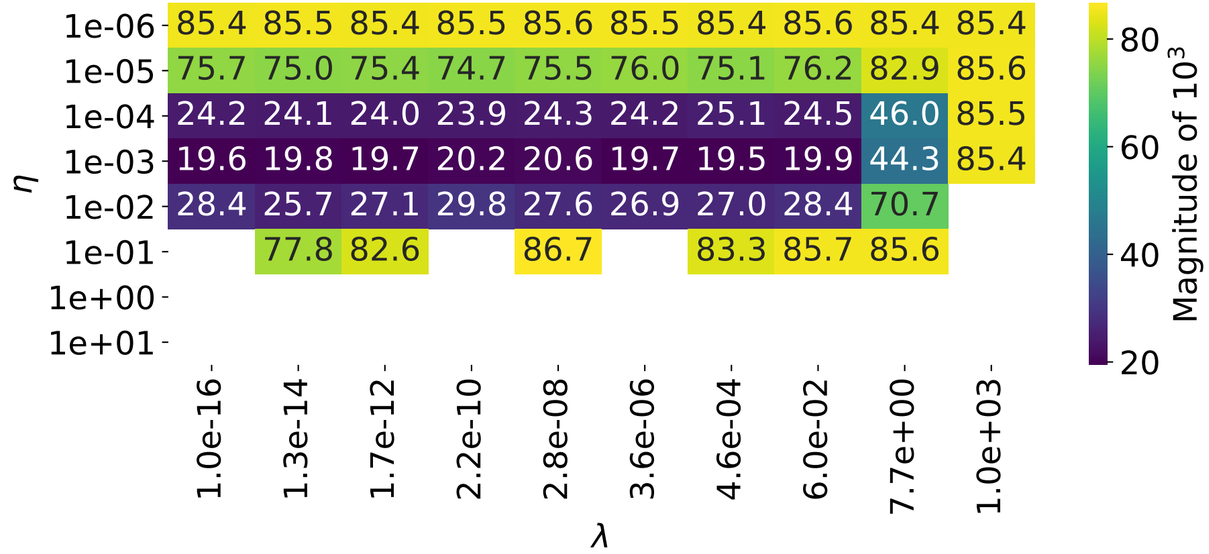
1e-05 75.4 74.8 75.1 74.5 75.3 75.7 74.9 75.9 82.8 85.4
1e-04 21.2 21.1 21.2 20.9 21.1 21.3 22.0 21.7 45.1 85.4
1e-03 12.0 11.7 12.3 12.3 12.4 11.9 12.4 13.6 43.6 85.4
1e-02 21.6 20.0 21.9 24.5 22.4 21.2 21.4 25.5 69.9
1e-01 77.5 83.0 87.0 83.5 85.5 85.4
1e+00
1e+01
η
1.0e-16 1.3e-14 1.7e-12 2.2e-10 2.8e-08 3.6e-06 4.6e-04 6.0e-02 7.7e+00 1.0e+03
λ
80 60 40 20
Magnitude of 10^3


test MSE own NN
1e-06 85.4 85.5 85.4 85.5 85.6 85.5 85.4 85.6 85.4 85.4
1e-05 75.7 75.0 75.4 74.7 75.5 76.0 75.1 76.2 82.9 85.6
1e-04 24.2 24.1 24.0 23.9 24.3 24.2 25.1 24.5 46.0 85.5
1e-03 19.6 19.8 19.7 20.2 20.6 19.7 19.5 19.9 44.3 85.4
1e-02 28.4 25.7 27.1 29.8 27.6 26.9 27.0 28.4 70.7
1e-01 77.8 82.6 86.7 83.3 85.7 85.6
1e+00
1e+01
η
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
80 60 40 20
Magnitude of 10^3