EE 399 SPRING QUATER 2023
Instructor: **J. Nathan Kutz**

HOMEWORK #5:
DUE: Midnight on 5/15 (Extra credit if turned in by 5/12)

For the Lorenz equations (code given out previously in class emails), consider the following.

1. Train a NN to advance the solution from t to $t + \Delta t$ for $\rho = 10, 28$ and 40. Now see how well your NN works for future state prediction for $\rho = 17$ and $\rho = 35$.

2. Compare feed-forward, LSTM, RNN and Echo State Networks for forecasting the dynamics.