What Numerical Method do I use to solve the Lorenz Equation? Just use scipy’s recommendation.

How can I analyze error of my dynamical systems? Use super small as base? See relative error? yep

How should I go about implementing the echo neural network? Follow that paper.

How can I make movie out of matplotlib series of plots? Slide 9.

RNN with small perturbations. How prevent it from spitting input back out? Map to difference. But how to prevent spitting zero out? Maybe larger time steps

How should I collect data? What time step and should it be sparse or dense? Up to you.

Cross validation vs Testing? Yep. It’s not discussed since it’s unnecessary for simple problems.

BDF: Curtiss and Hirschfeld

Vary time step:

Use different time steps and measure performance

Pass varying time step size as input data

How do I add bias to echo?

So reservoir stays frozen?

Retraining overwrites previous train because Wout is adapted each time