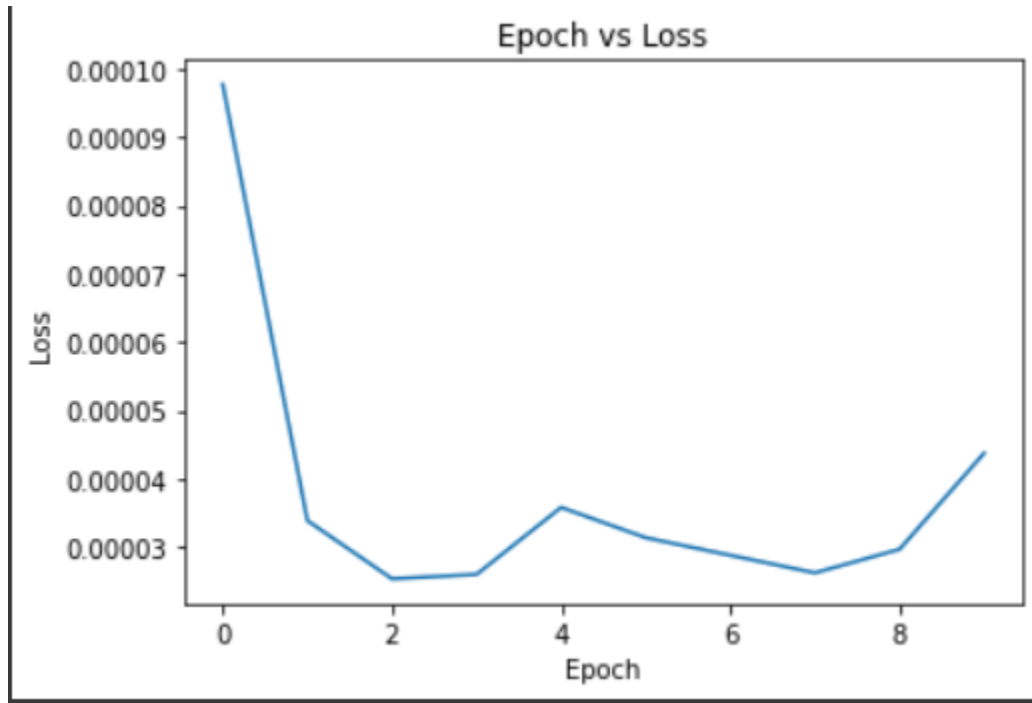


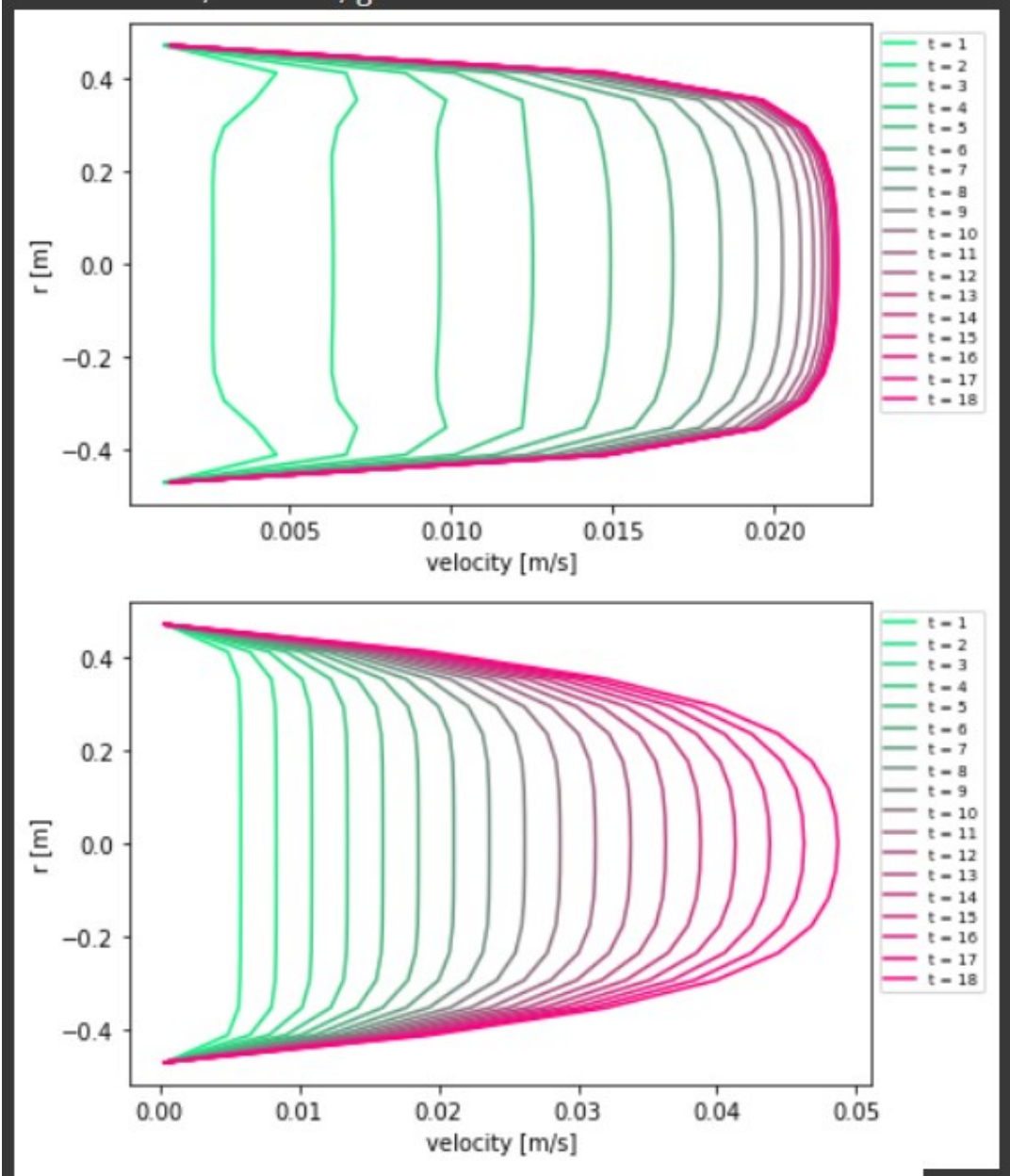
Visualization of training loss vs. epoch



Both L1 and L2 Error

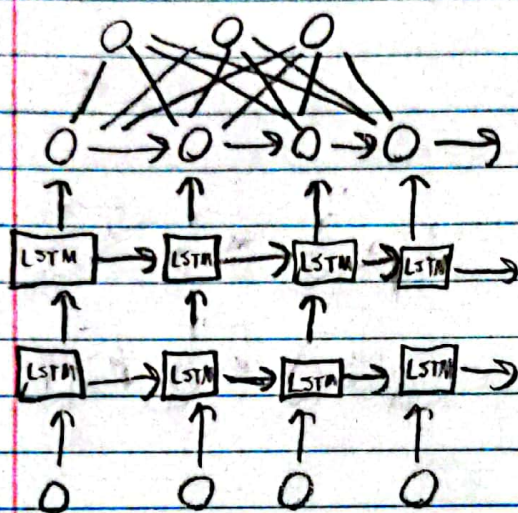
```
Test L1 error: 6.761851106770337
Test L2 error: 0.14028978363785427
```

Visualization of prediction of flow velocity compared to the ground truth



Code Report Problem 1

Structure of NN



Linear NN Dense 17 neurons

LSTM Layer 128 neurons

LSTM Layer 128 neurons

Input Layer 17 neurons

17 Features

Hyper parameters

num epochs = 10

lr = 0.001

input size = 17

hidden size = 128

num_layers = 2

dropout = 0.1