A close up of a map

Description automatically generated

**Figure 3: Performance of NN predicted ODE solution (*Y(t)* *vs* time *t*).** Top row: examples from training set; bottom row: examples from testing set. The X-axis is time and Y-axis is normalized ODE solution. Blue curves indicate exact solution of linear ODE and the orange lines indicate the NN prediction. The results are from ResNet18 with and Adam optimizer.