

Neural network's T test:

Test duration -> 10:51:55.908317

Adam epochs -> 500

Max L-BFGS iterations -> 2000

Neural network's structure -> 4 hidden layers of 15 neurons

Train Nu -> 1000

Train Nf -> 100000

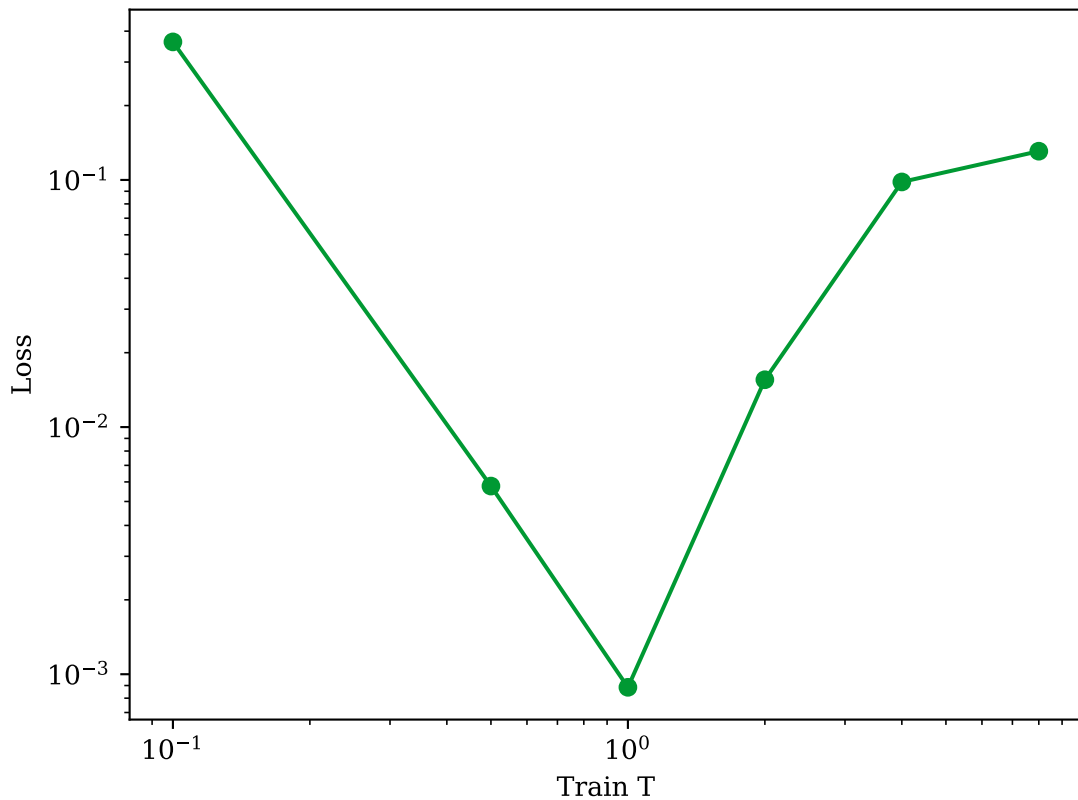
Validation points -> 1810

Validation T -> 0.5 s

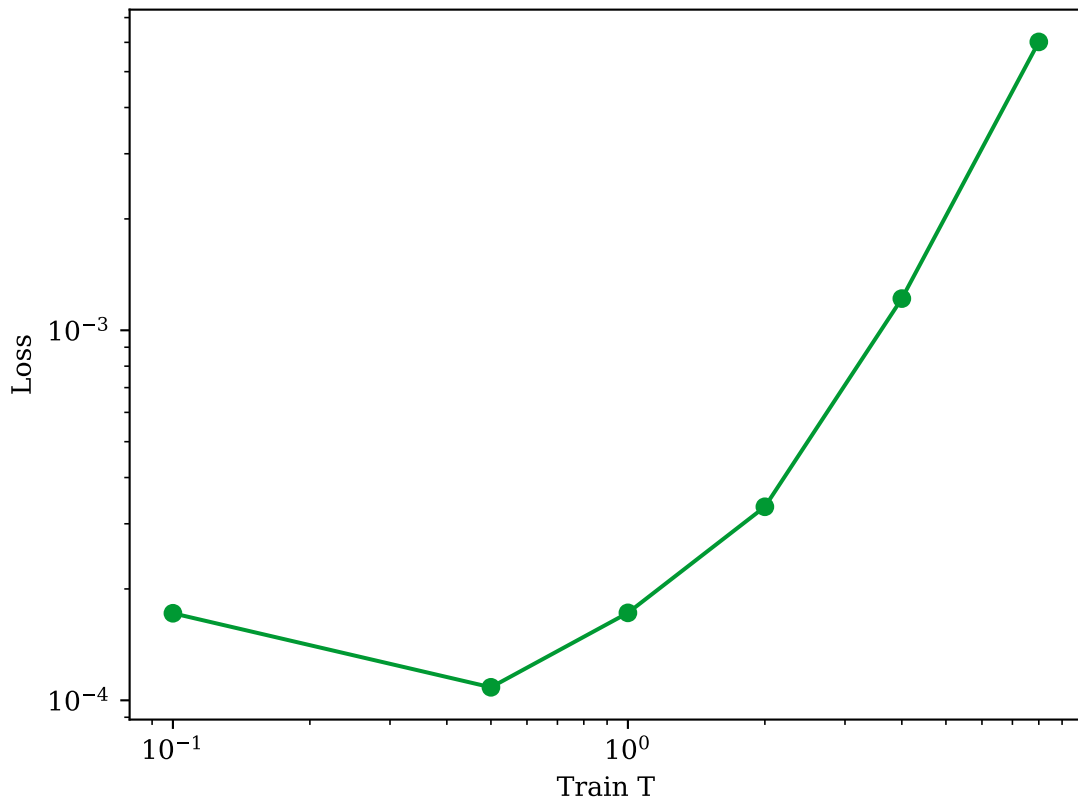
Test points -> 181

Test T -> 0.5 s

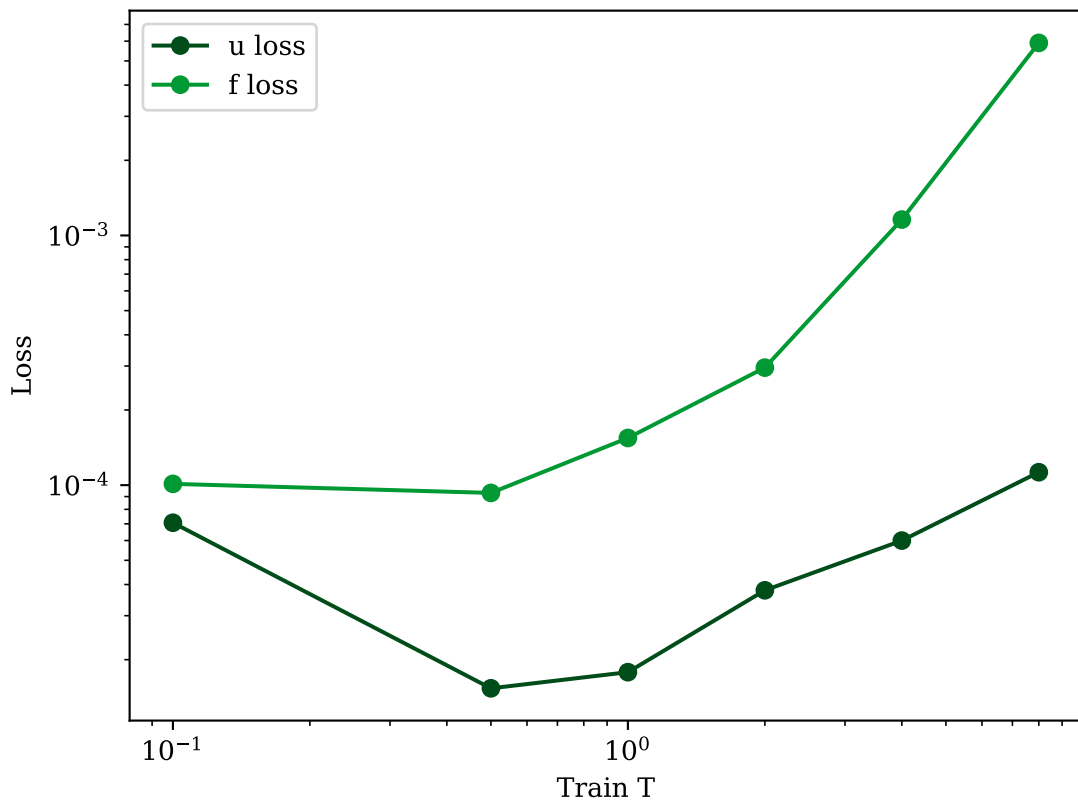
Validation loss



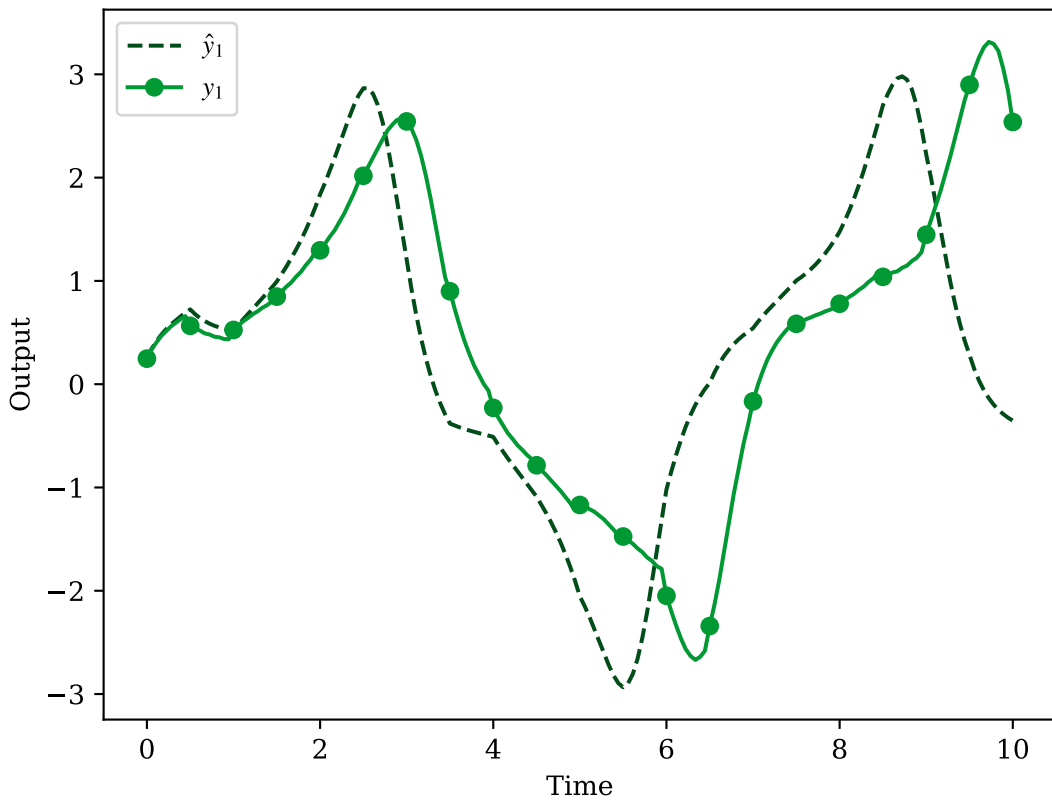
Train total loss



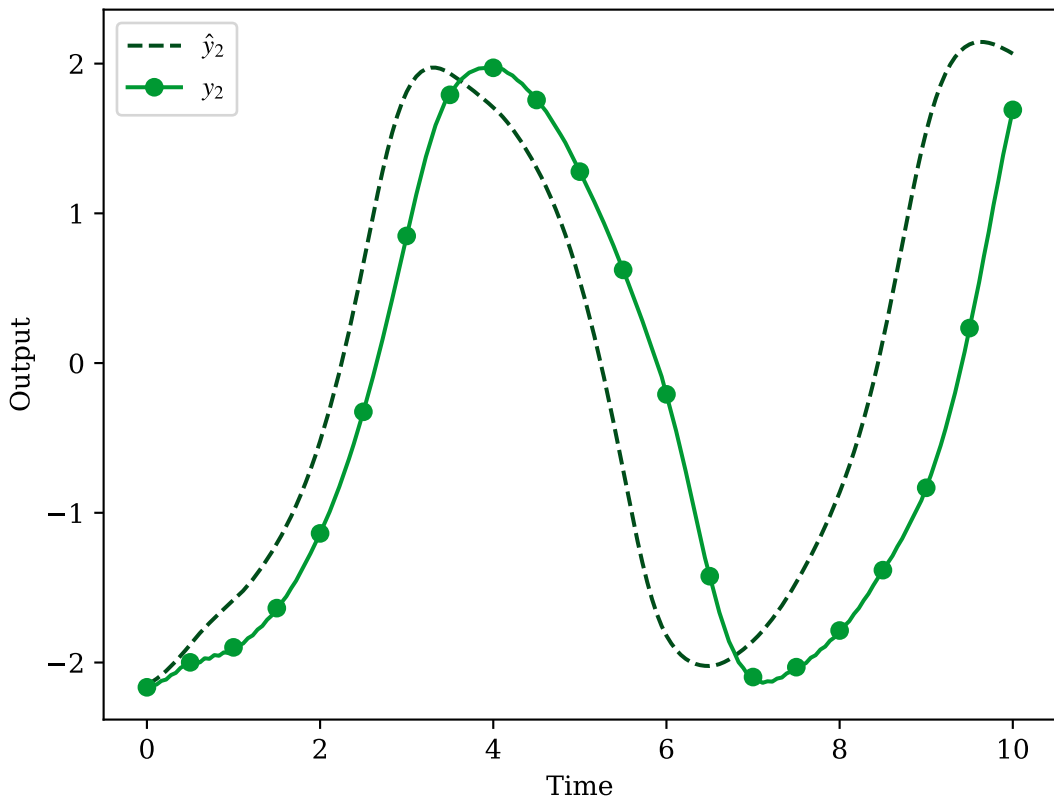
Train losses



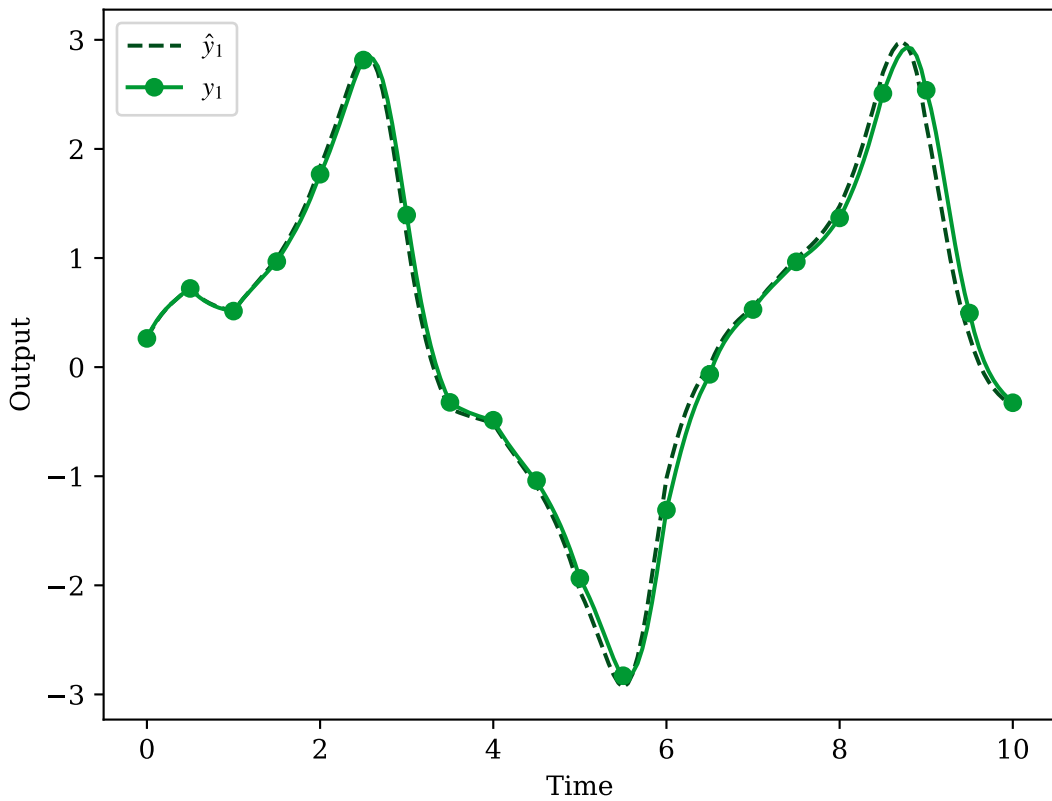
T = 0.1 s. MSE: 1.576



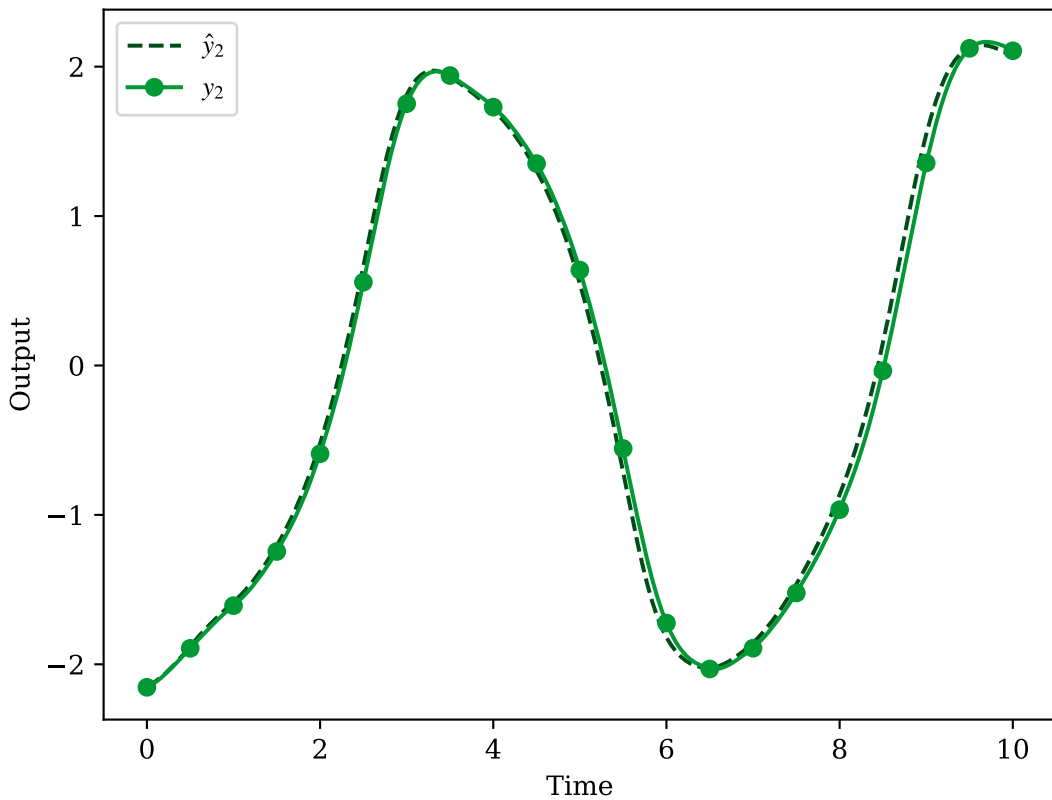
$T = 0.1$ s. MSE: 1.055



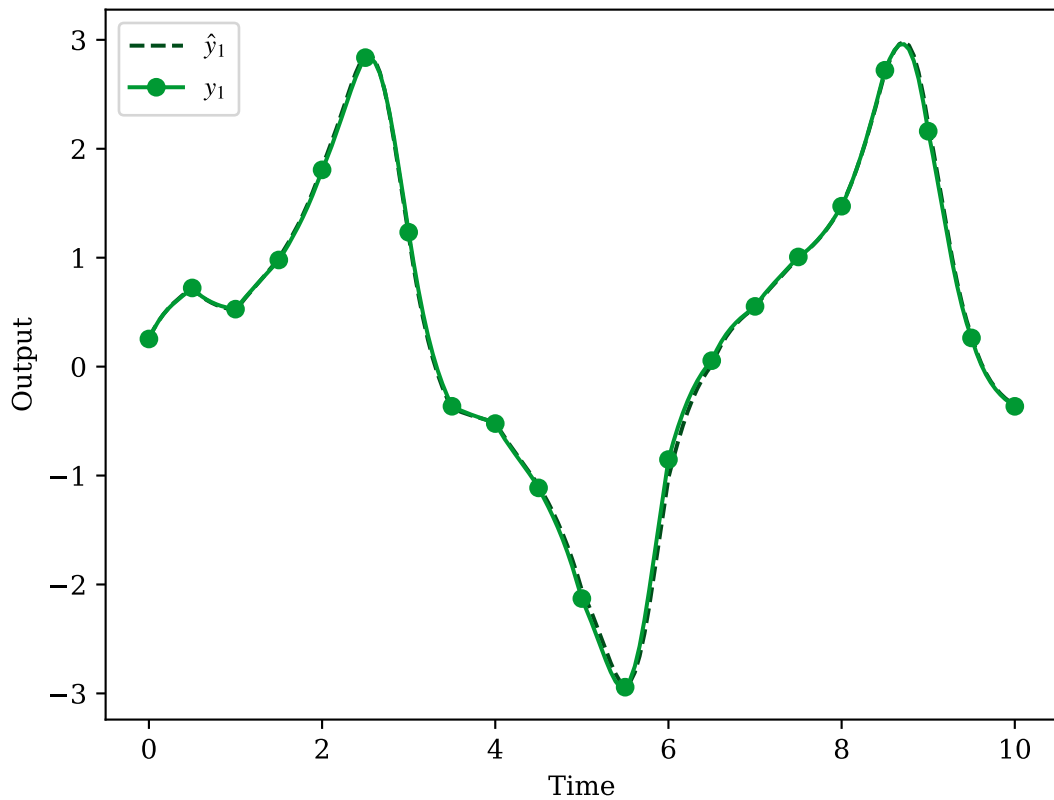
$T = 0.5$ s. MSE: 0.017



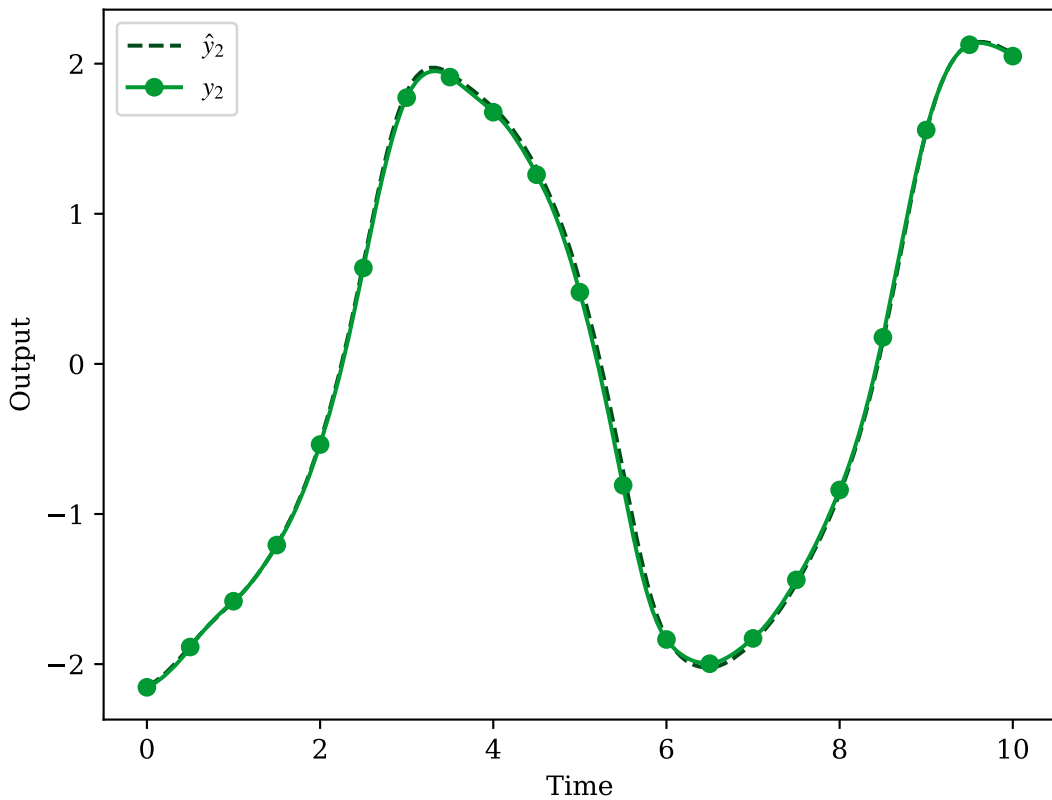
$T = 0.5$ s. MSE: 0.008



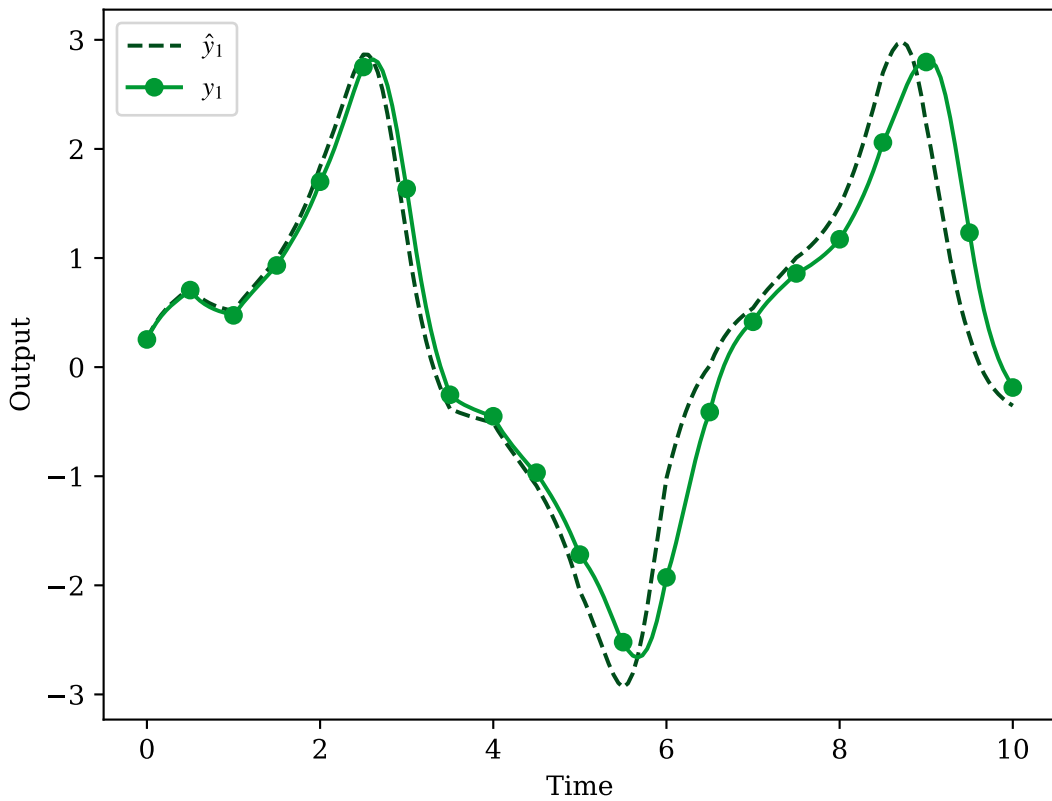
$T = 1.0$ s. MSE: 0.002



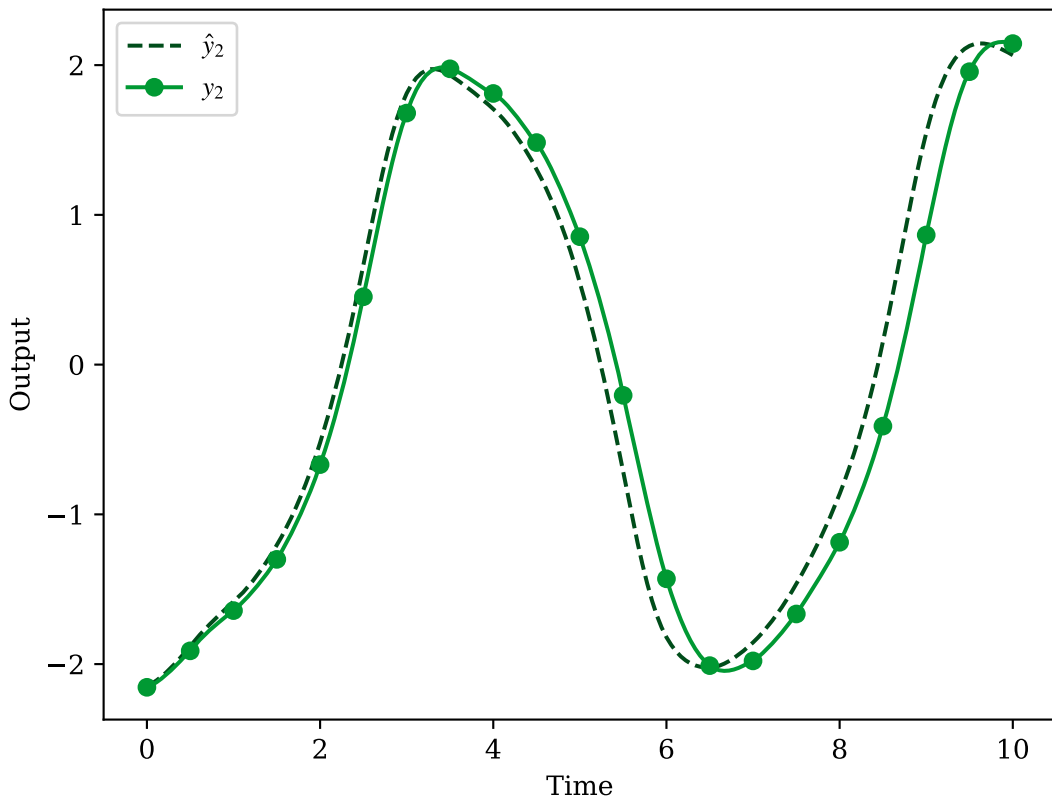
$T = 1.0$ s. MSE: 0.001



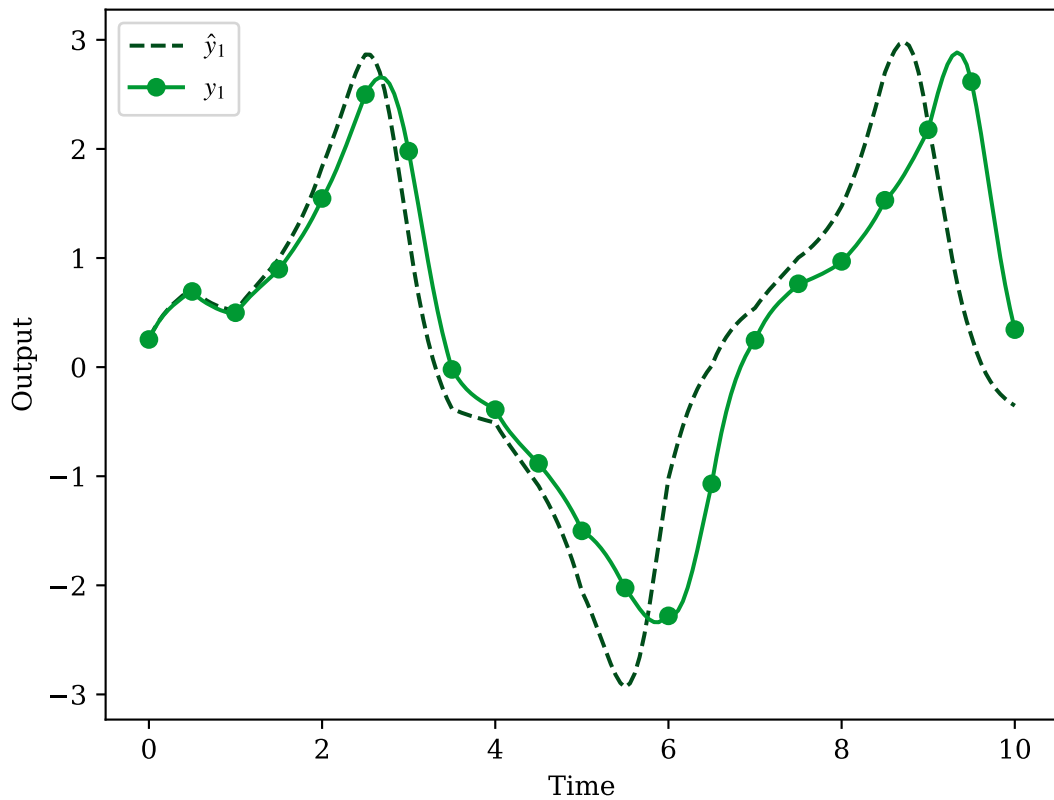
T = 2.0 s. MSE: 0.169



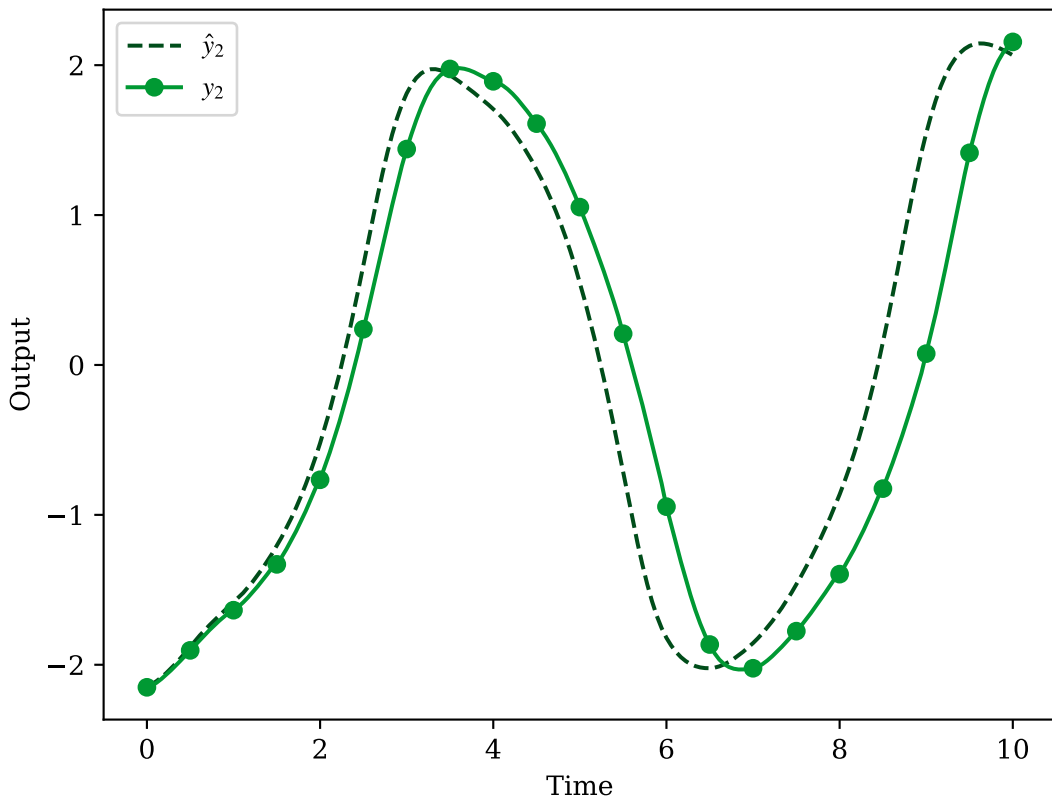
T = 2.0 s. MSE: 0.081



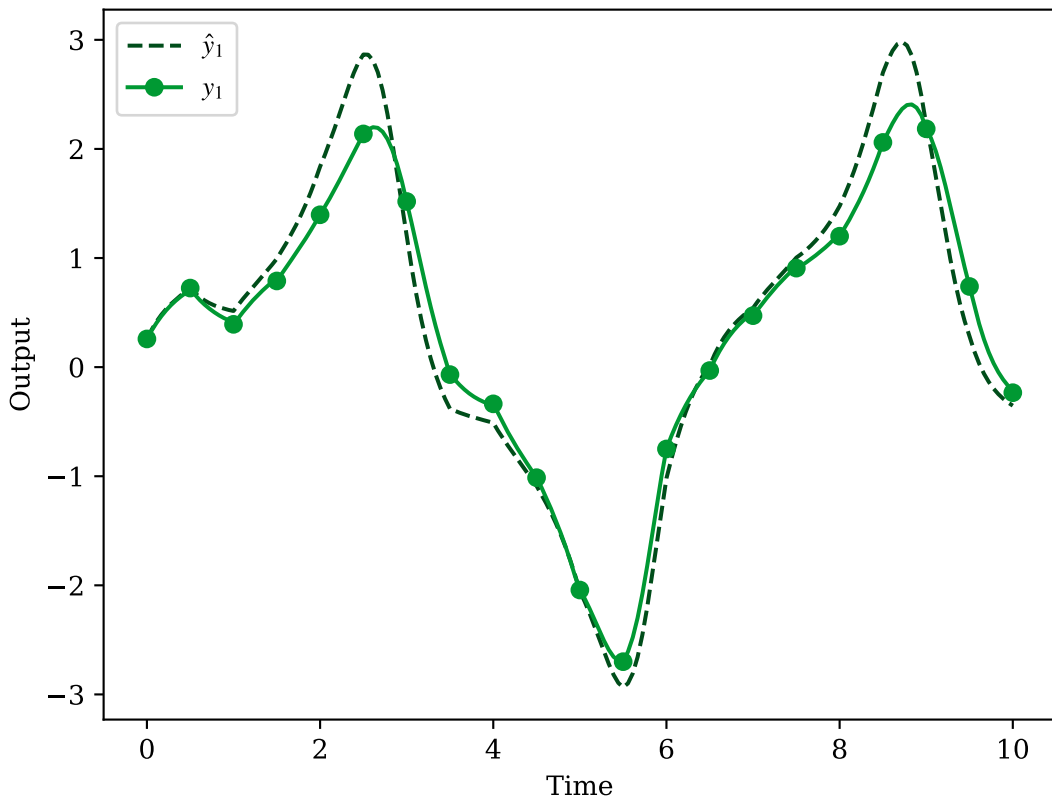
$T = 4.0$ s. MSE: 0.61



$T = 4.0$ s. MSE: 0.322



T = 8.0 s. MSE: 0.092



$T = 8.0$ s. MSE: 0.035

