

Neural network's working period test:

Adam epochs -> 500

Max L-BFGS iterations -> 2000

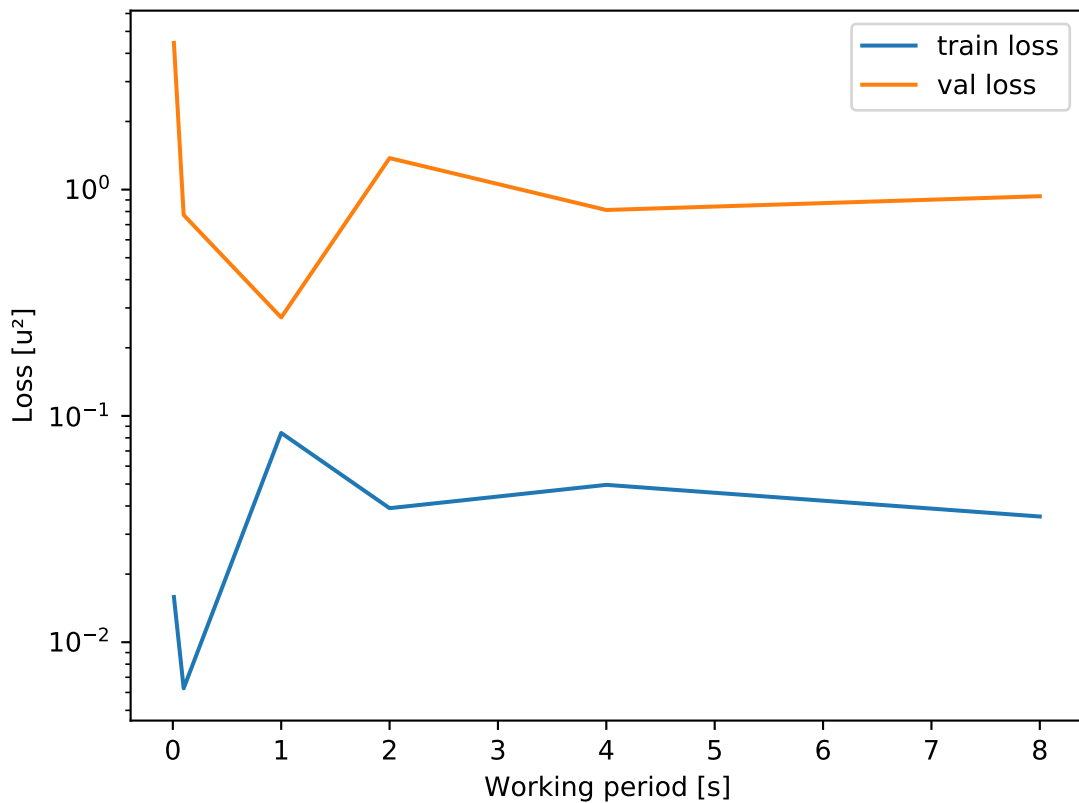
Train Nu -> 1000

Train Nf -> 100000

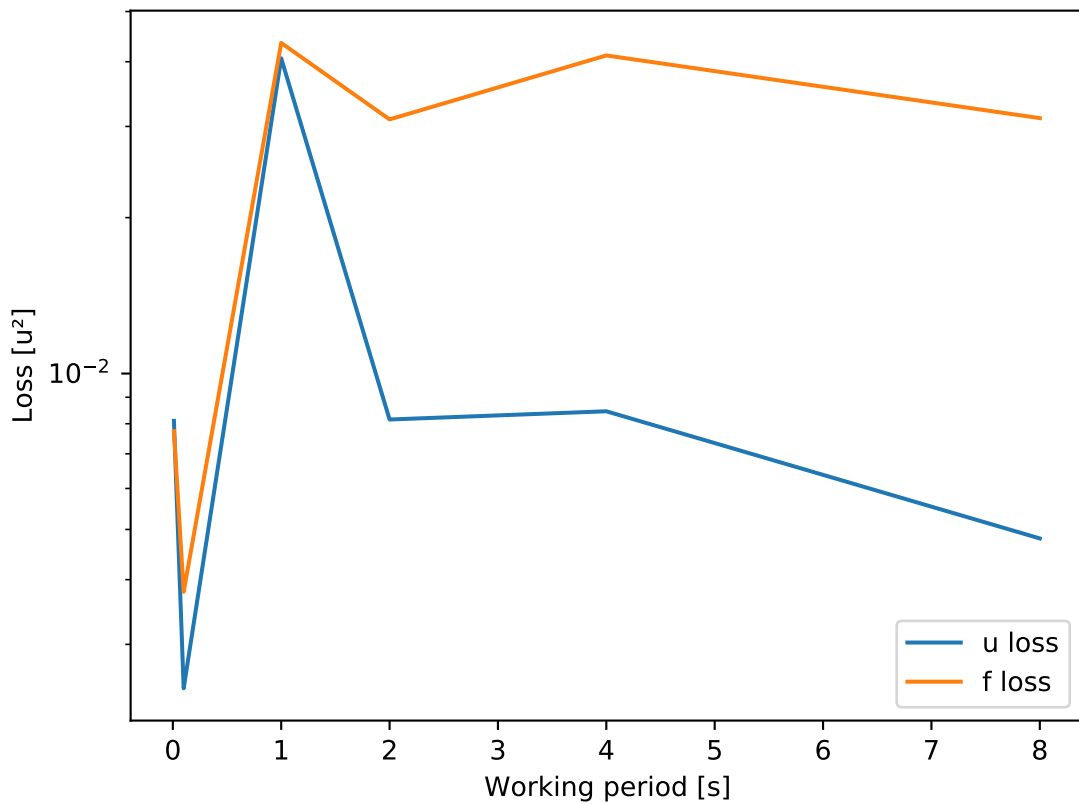
Validation points -> 9996

Test points -> 9996

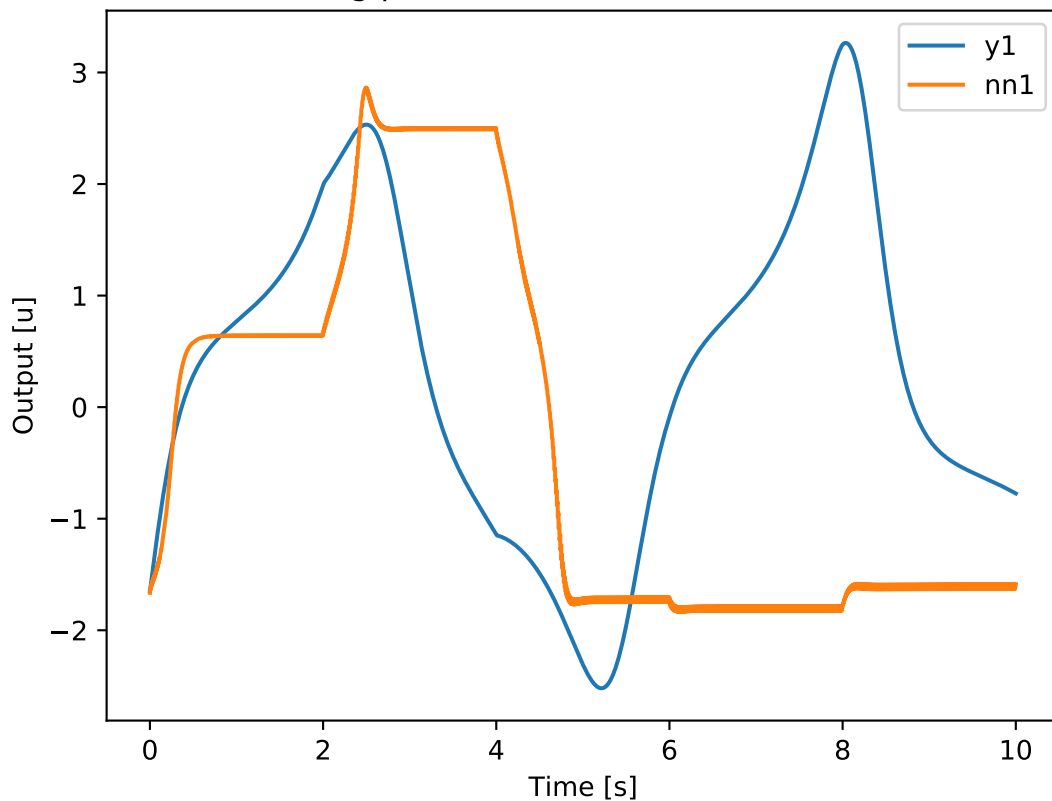
Train and validation total losses



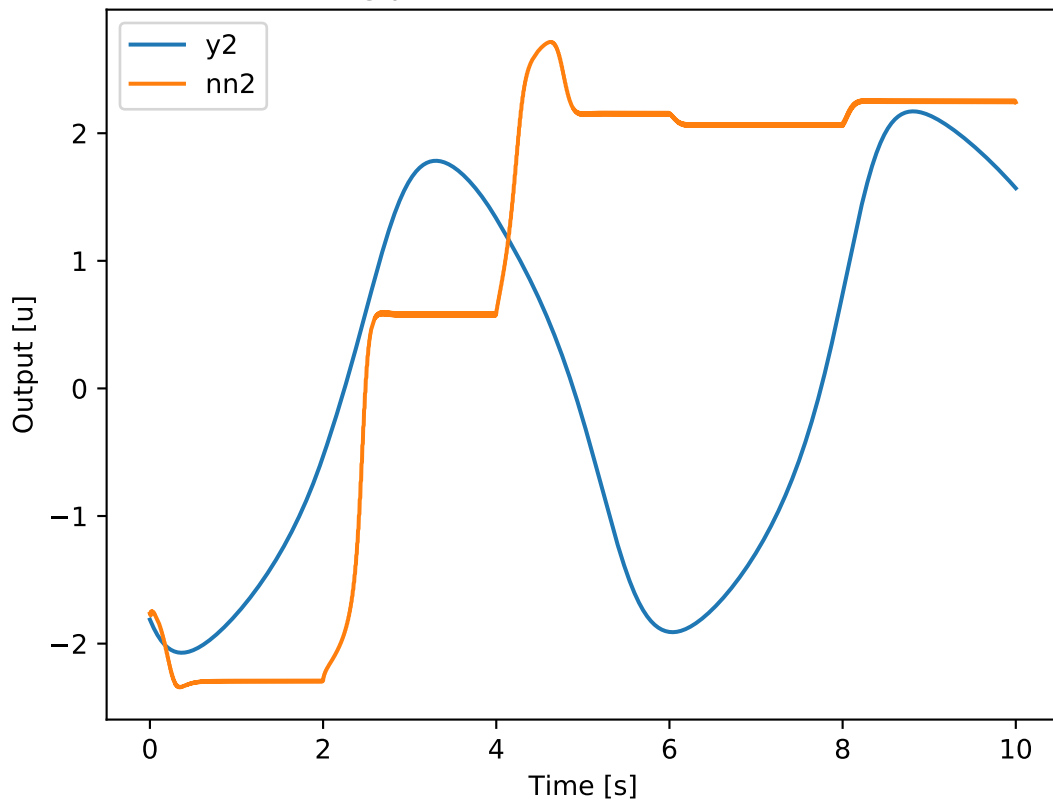
Train losses



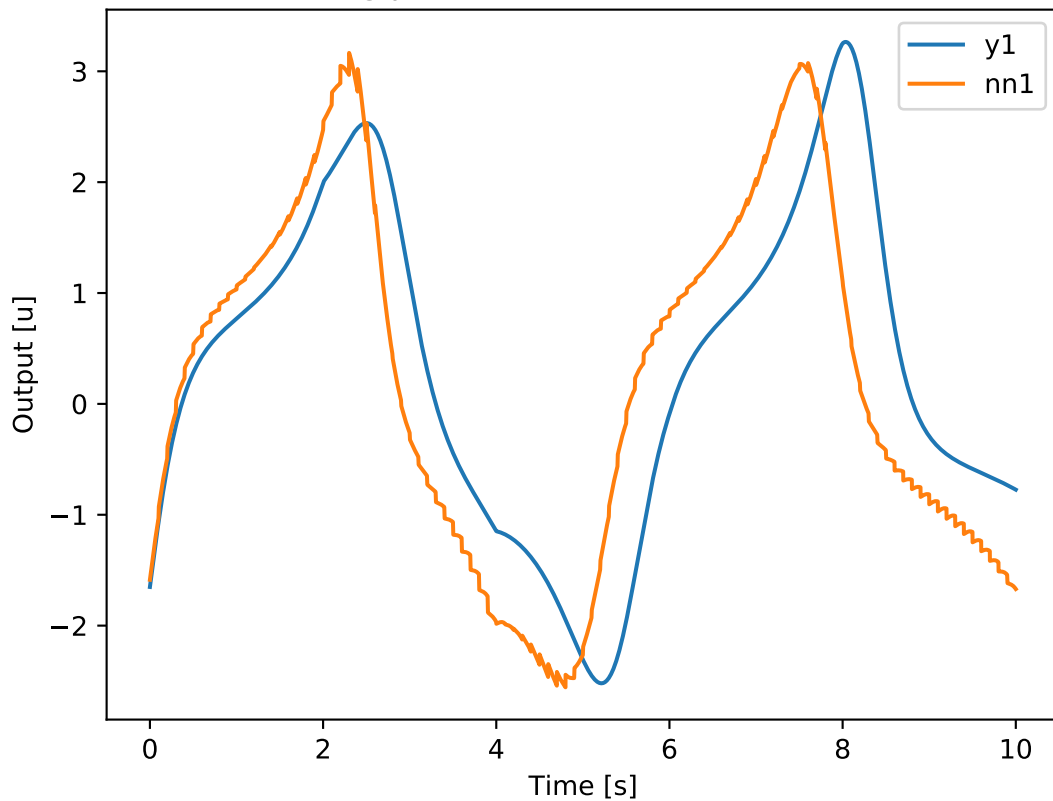
Working period = 0.01 s. Plot MSE: 4.755 u



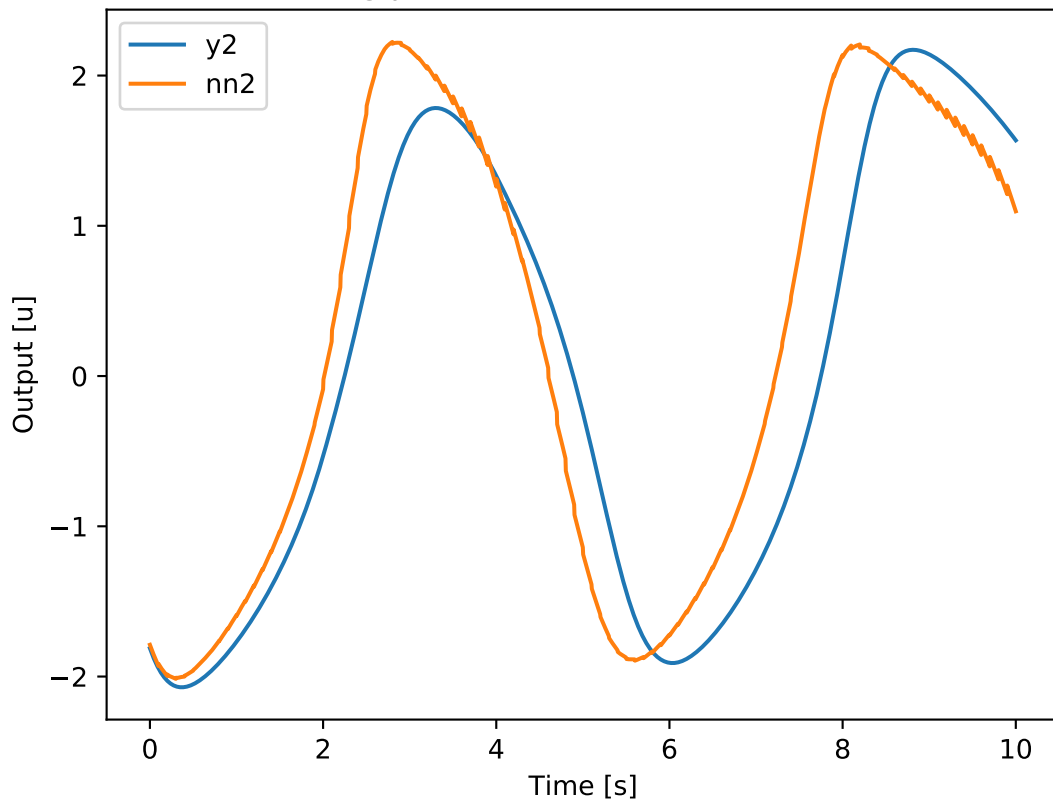
Working period = 0.01 s. Plot MSE: 4.09 u



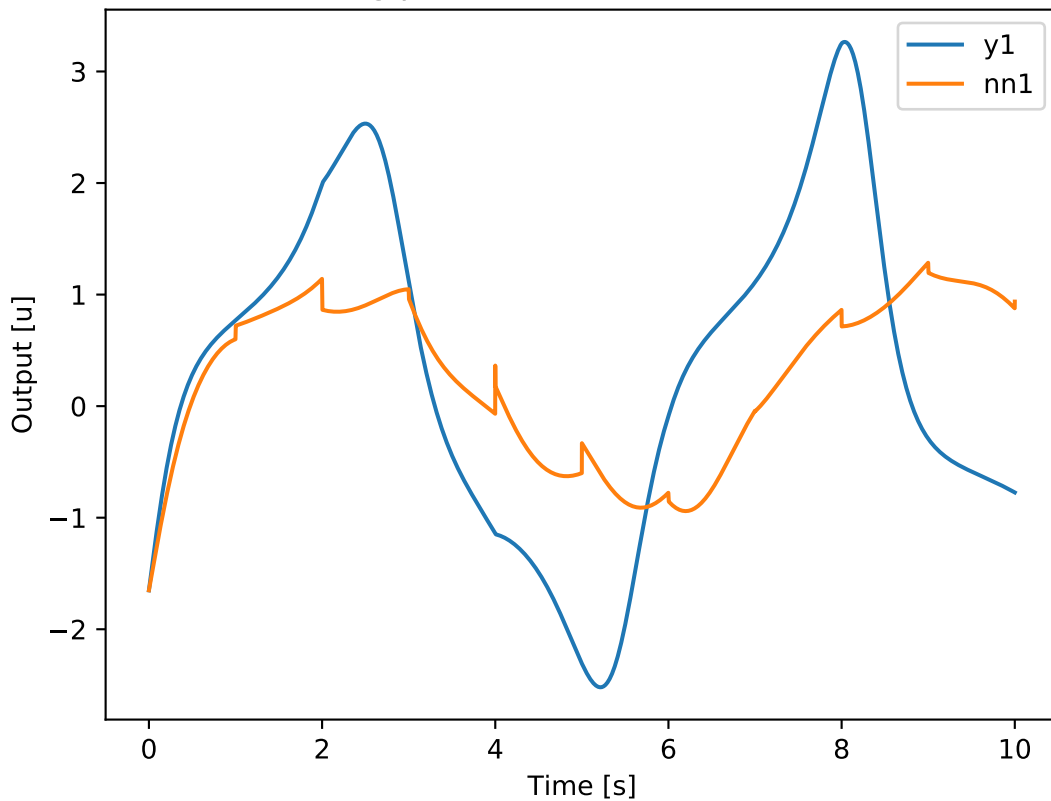
Working period = 0.1 s. Plot MSE: 0.984 u



Working period = 0.1 s. Plot MSE: 0.405 u

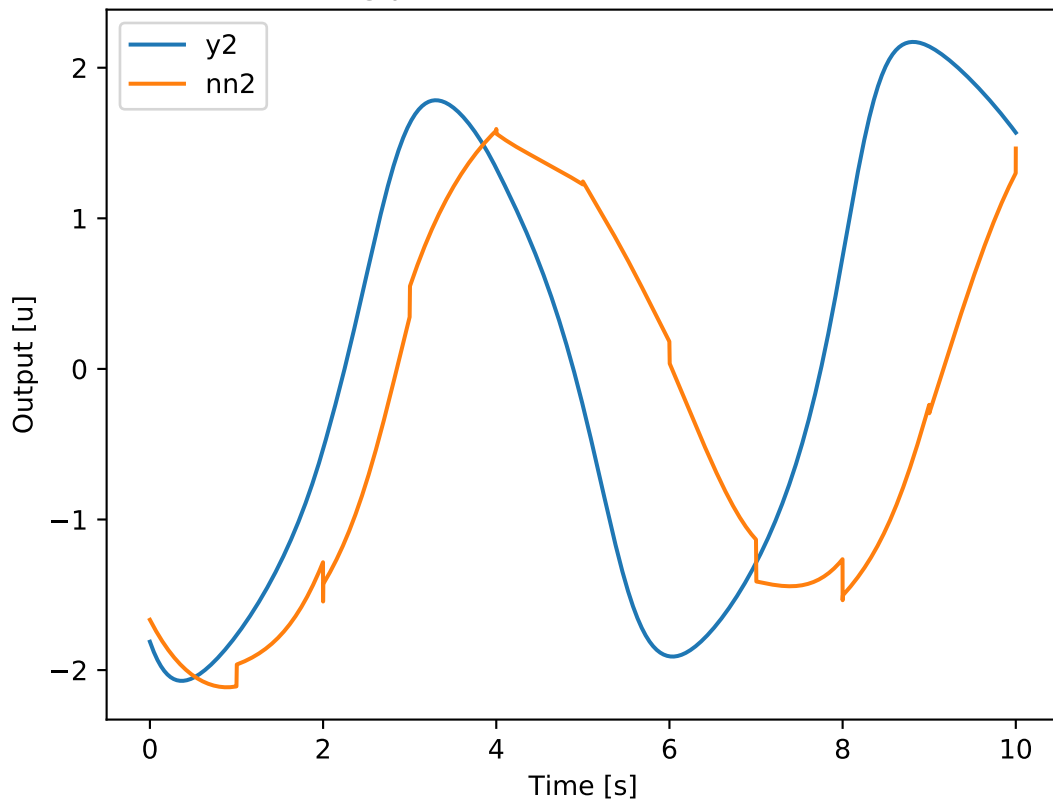


Working period = 1.0 s. Plot MSE: 1.49 u

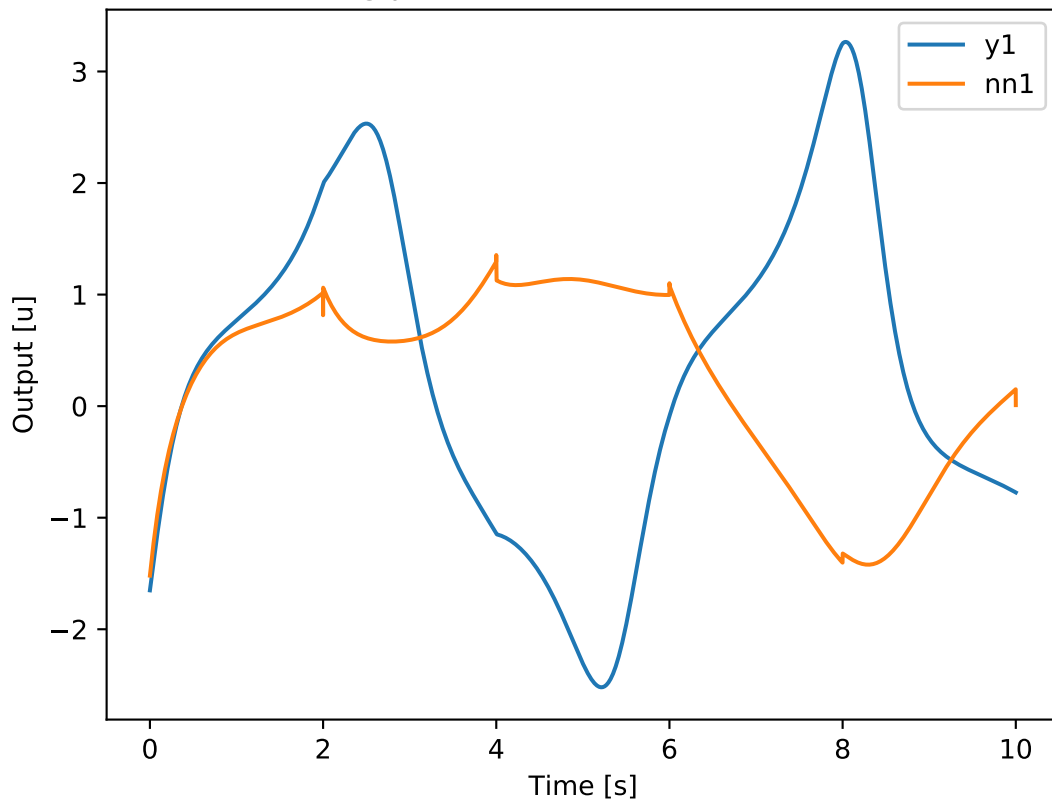




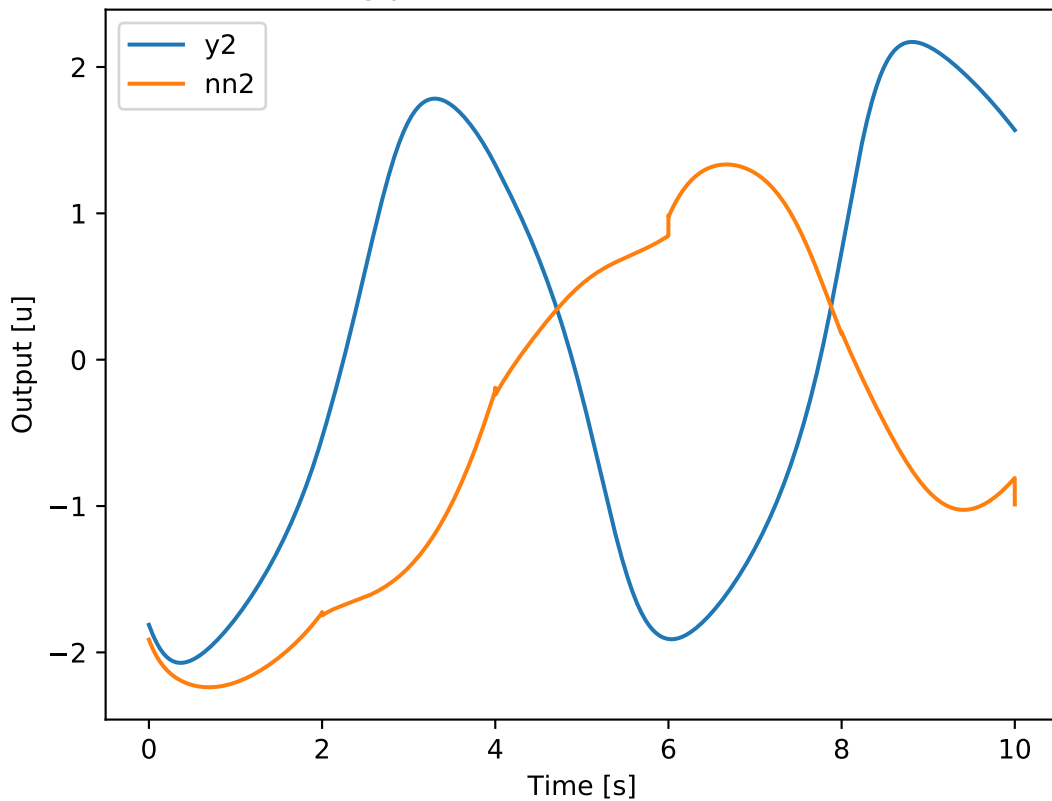
Working period = 1.0 s. Plot MSE: 1.993 u



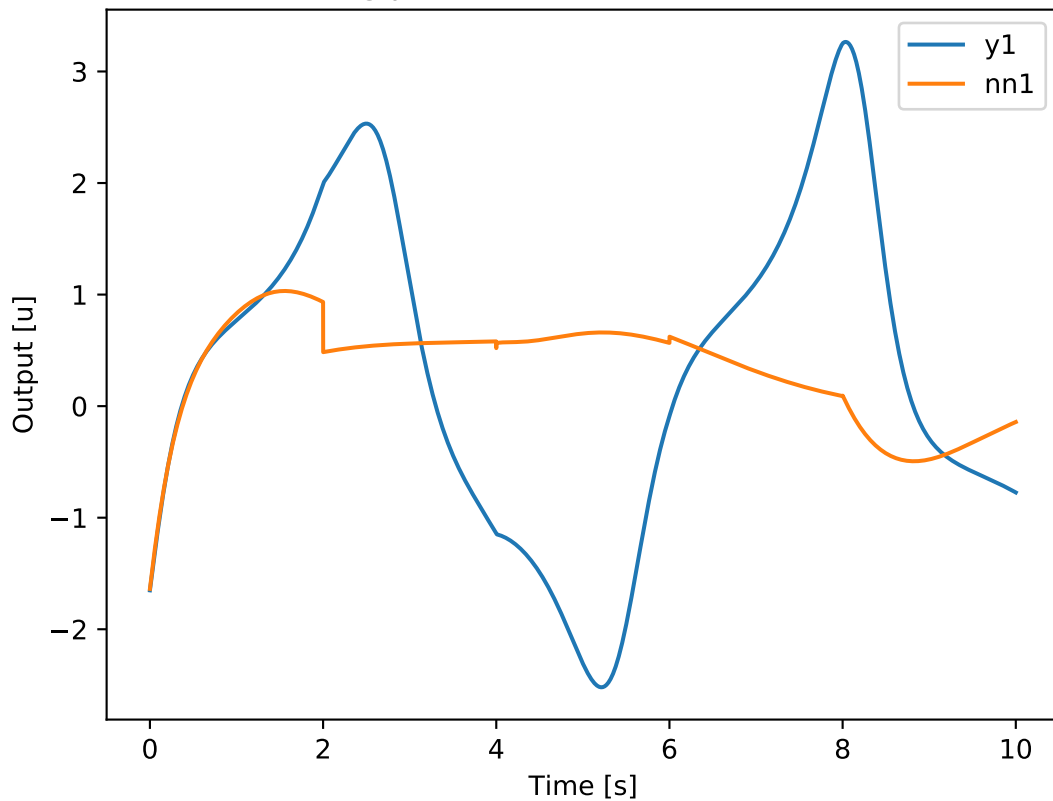
Working period = 2.0 s. Plot MSE: 3.928 u



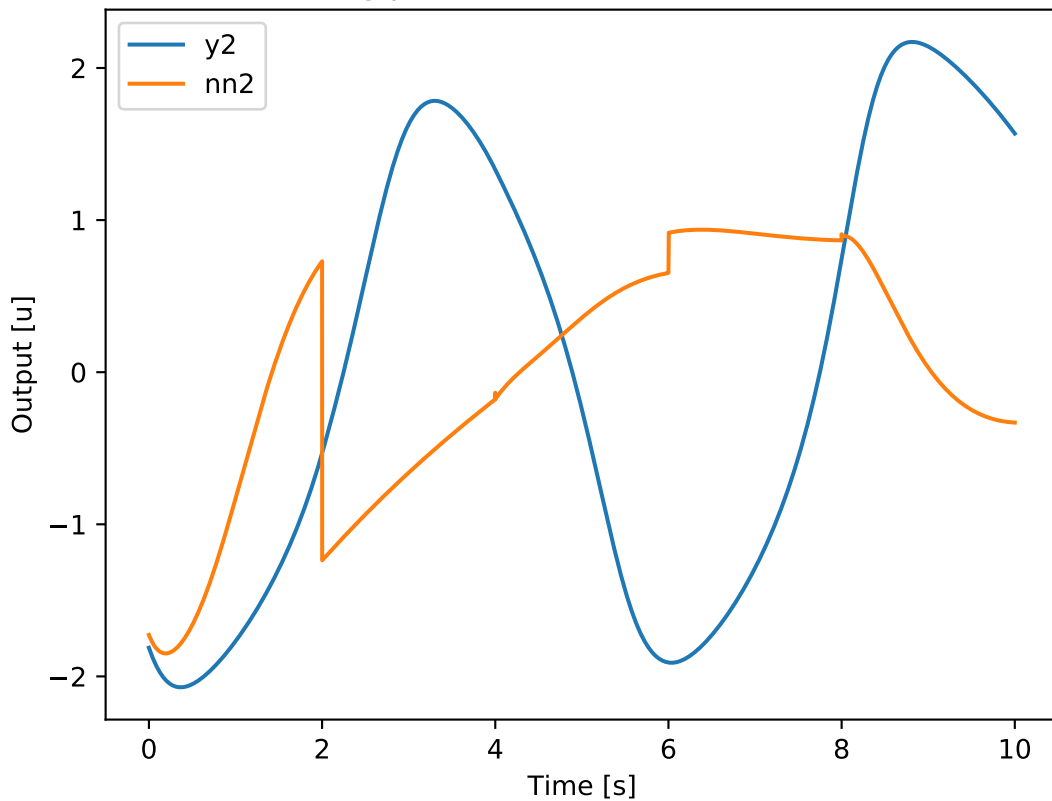
Working period = 2.0 s. Plot MSE: 4.265 u



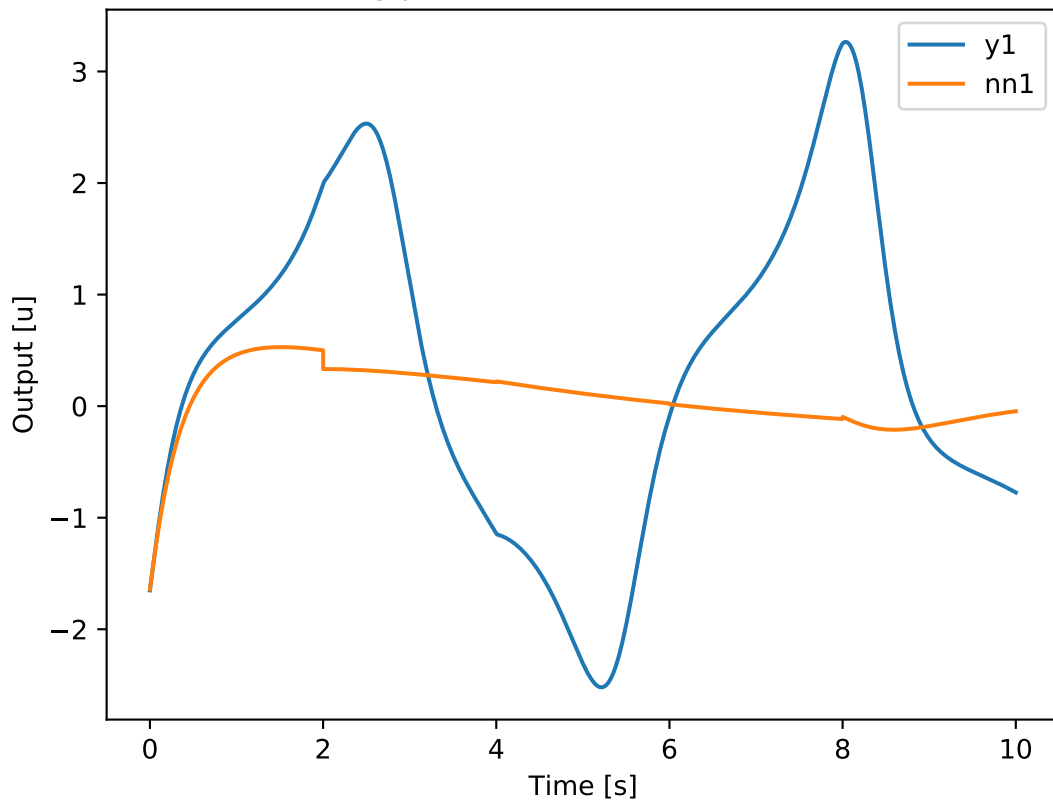
Working period = 4.0 s. Plot MSE: 2.351 u



Working period = 4.0 s. Plot MSE: 2.898 u



Working period = 8.0 s. Plot MSE: 2.15 u



Working period = 8.0 s. Plot MSE: 2.916 u

