

One tank neural network's working period test:

Adam epochs -> 500

L-BFGS iterations -> 1000

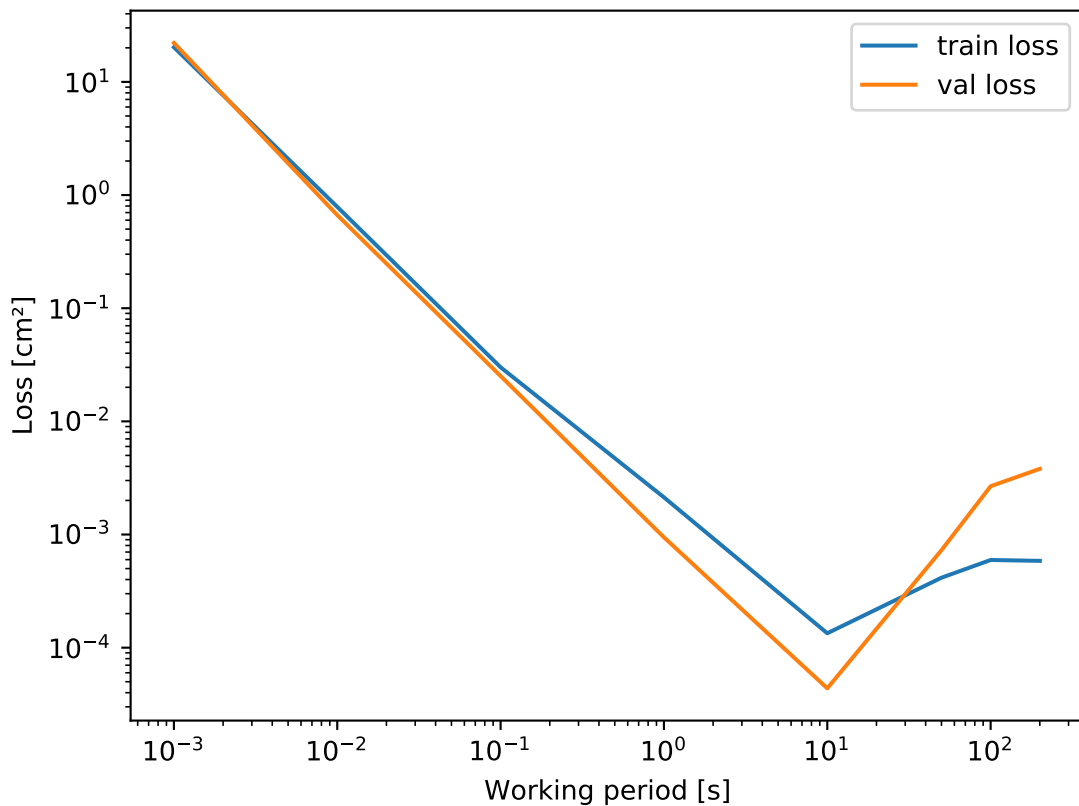
Train Nu -> 1e3

Train Nf -> 100e3

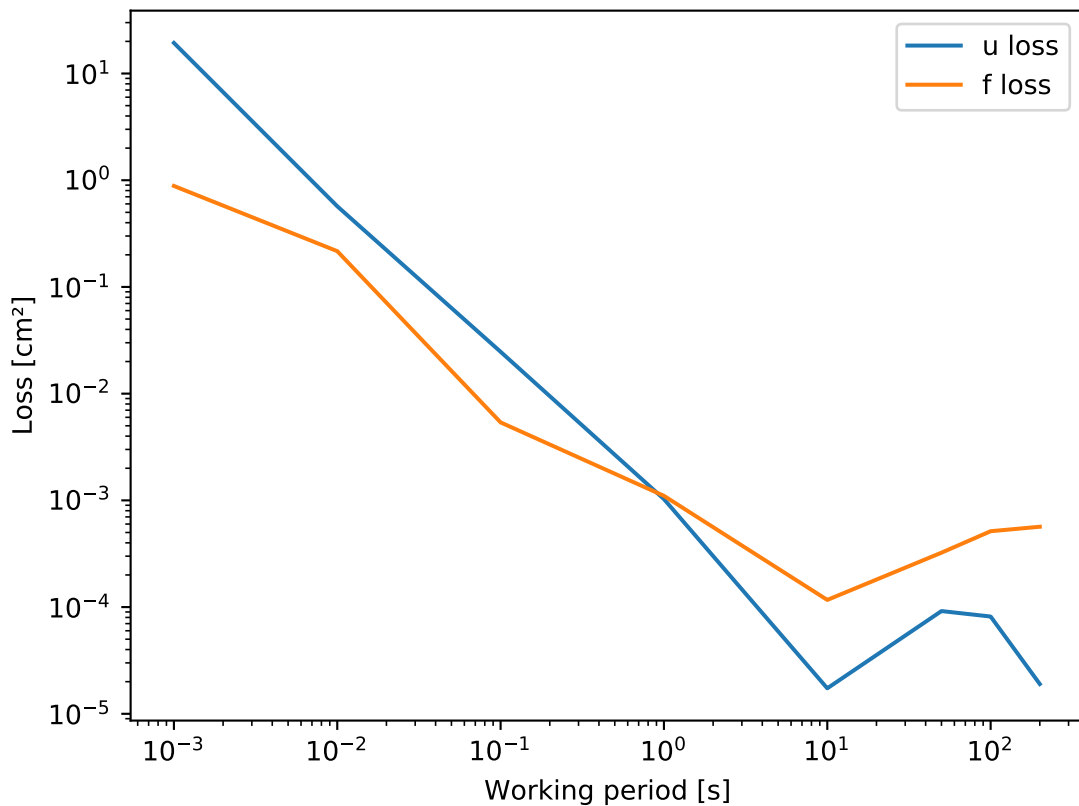
Validation points -> 10e3

Test points -> 800

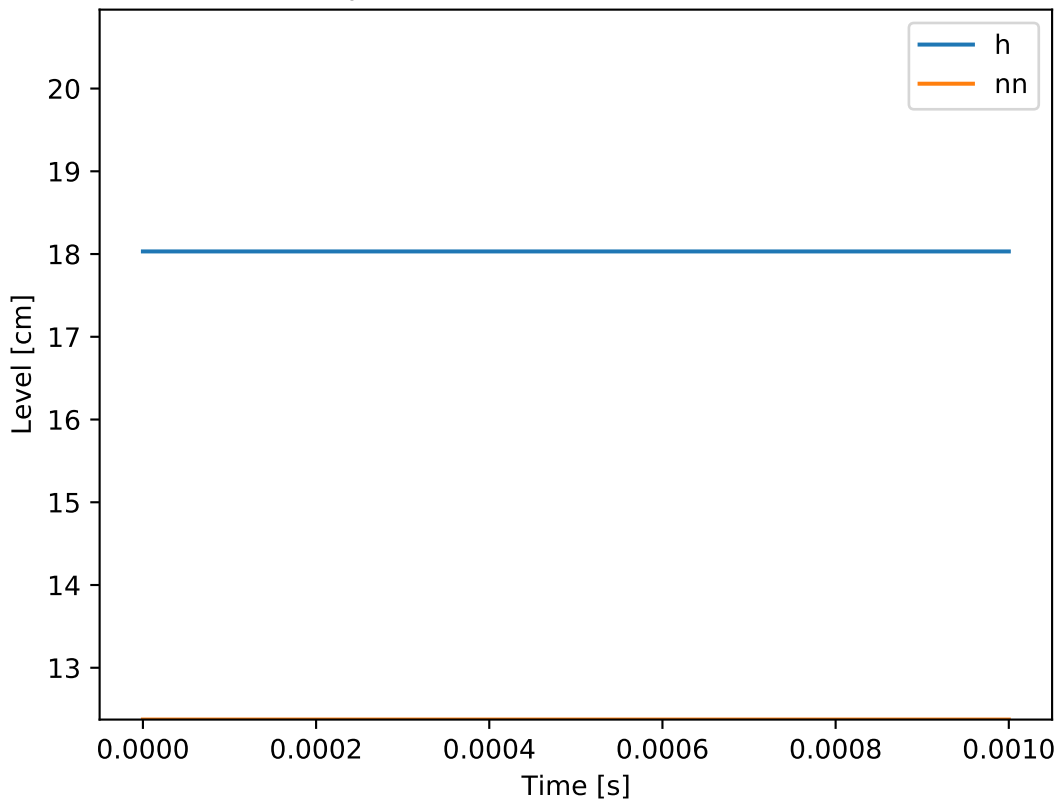
Train and validation total losses



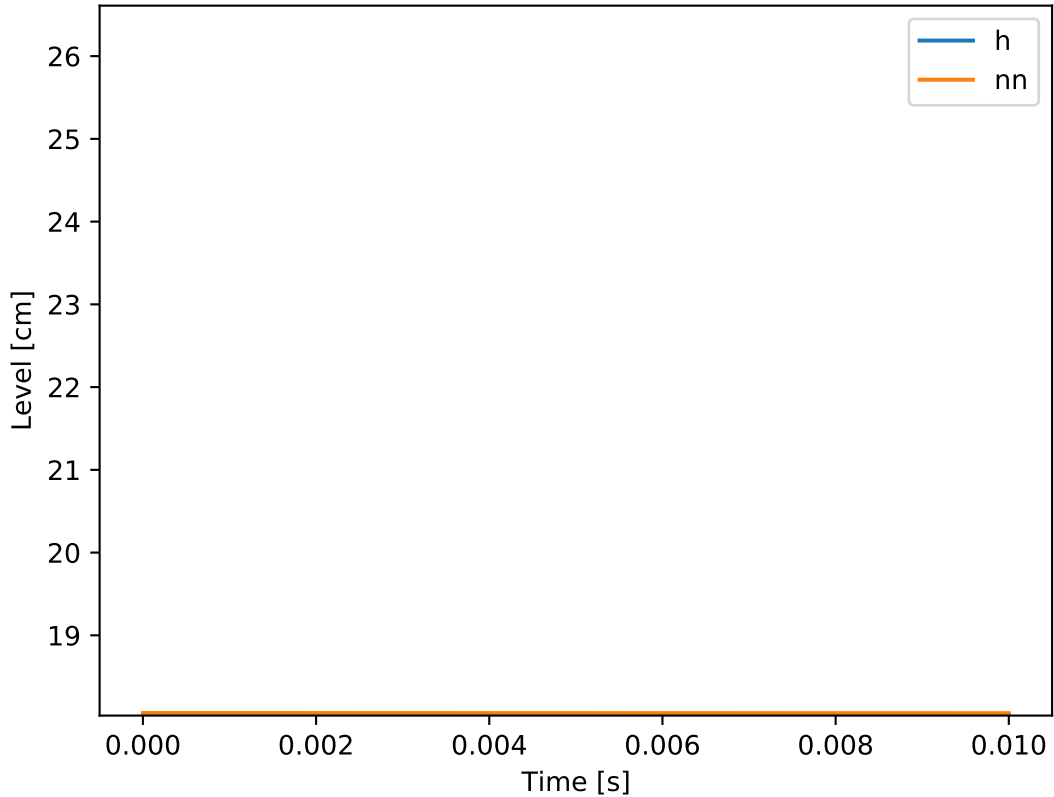
Train losses



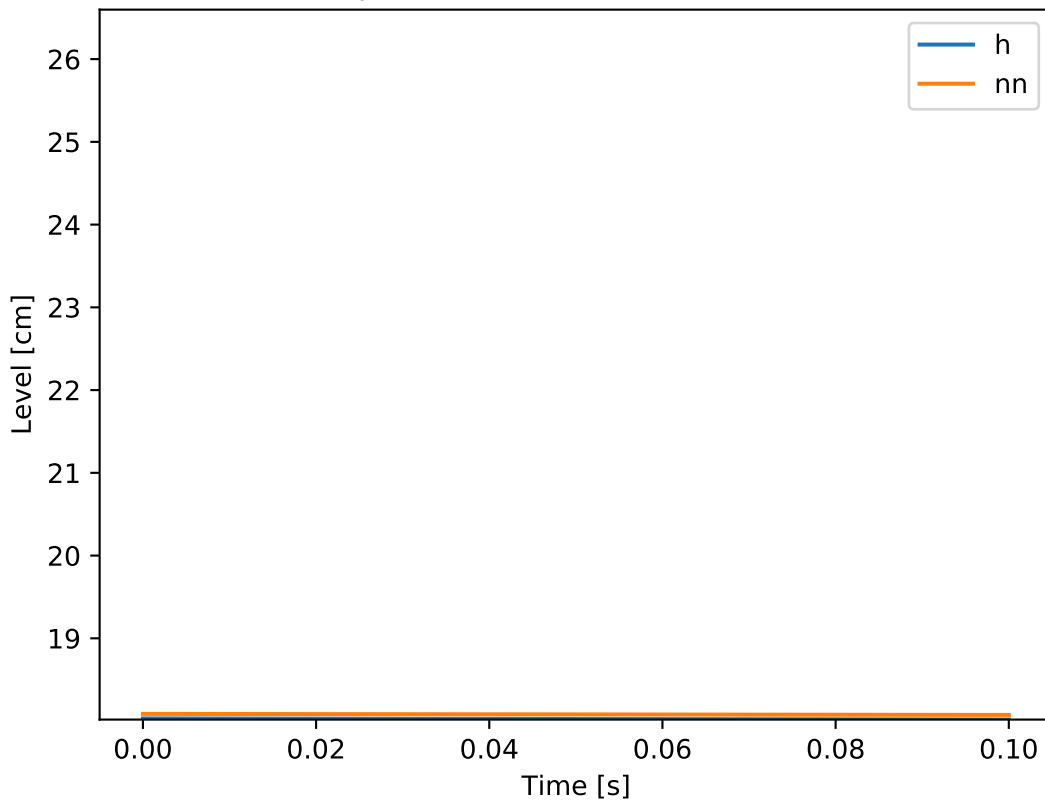
Control input $v = 3.044$ V. Plot MSE: 32.009 cm^2



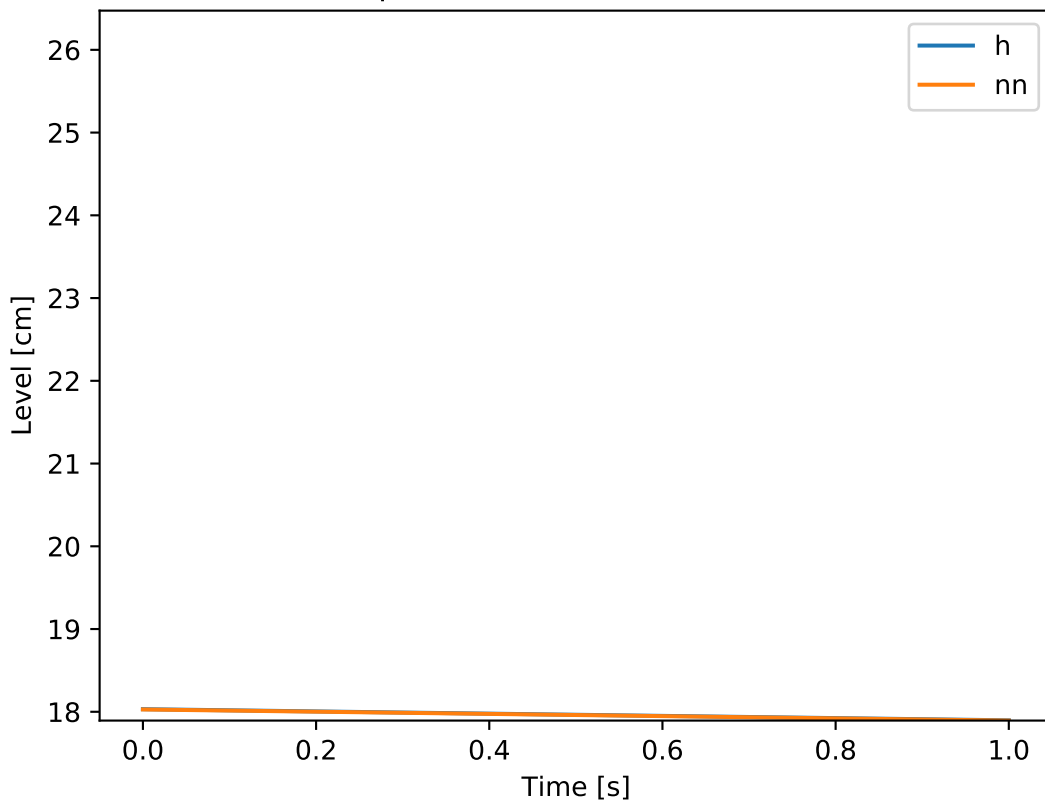
Control input $v = 3.044$ V. Plot MSE: 0.001 cm^2



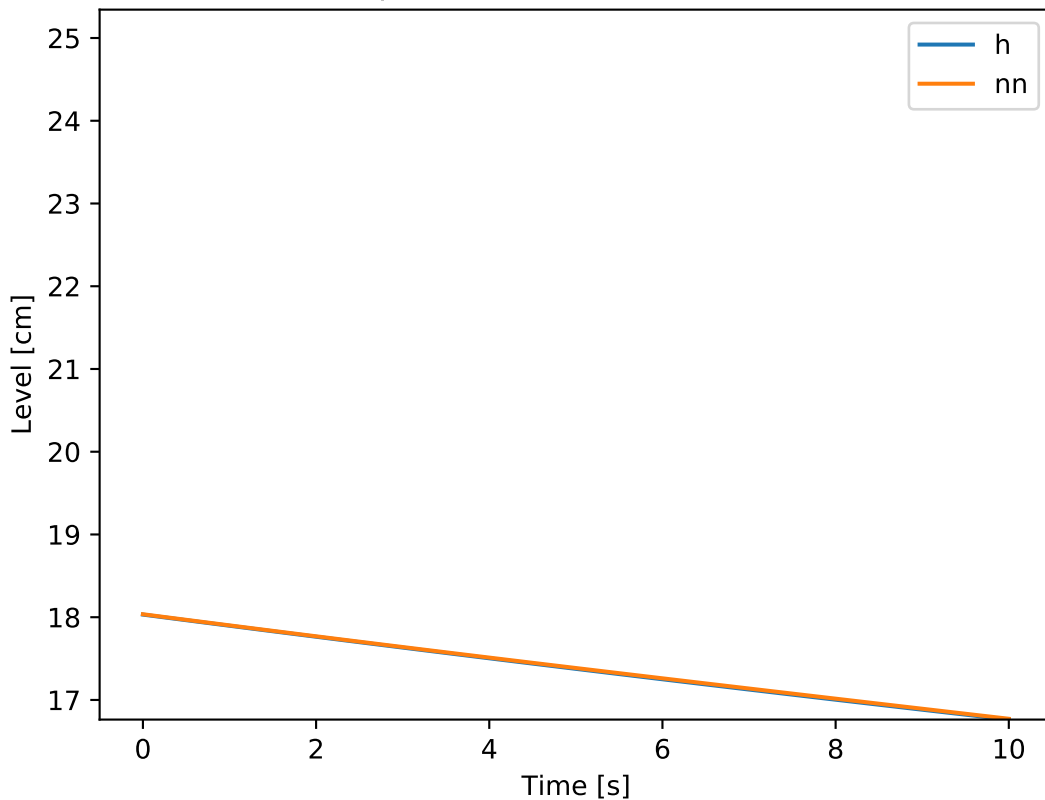
Control input $v = 3.044$ V. Plot MSE: 0.003 cm^2



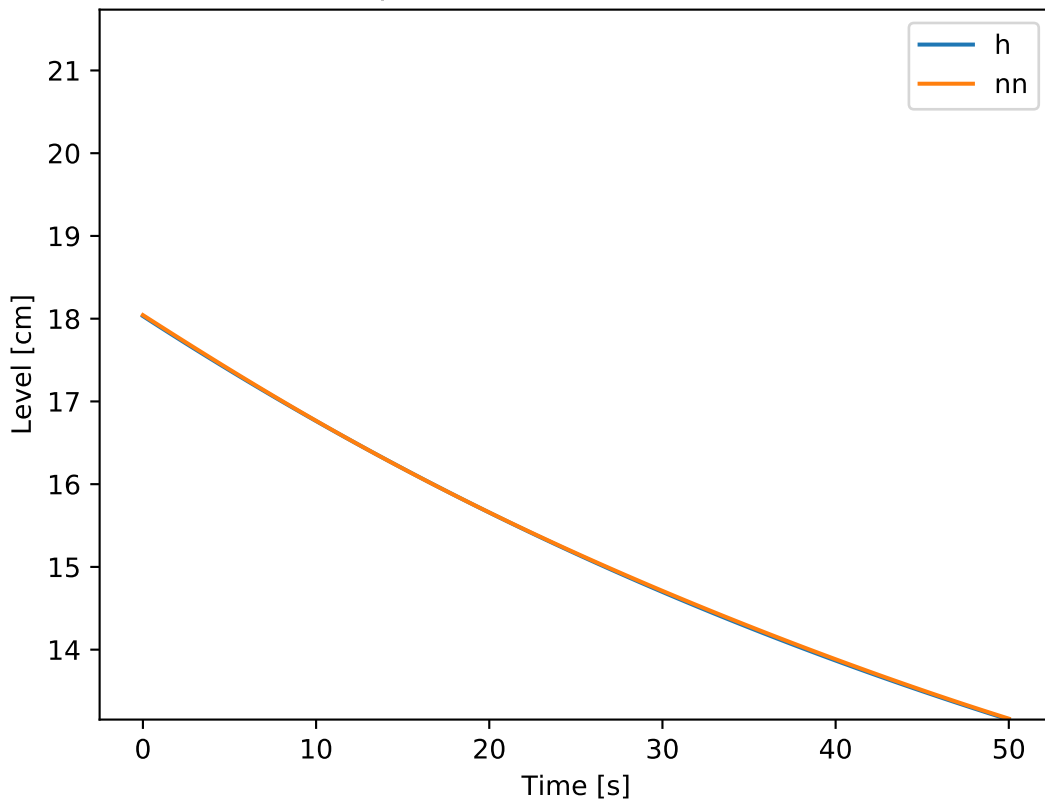
Control input $v = 3.044$ V. Plot MSE: 0.0 cm^2



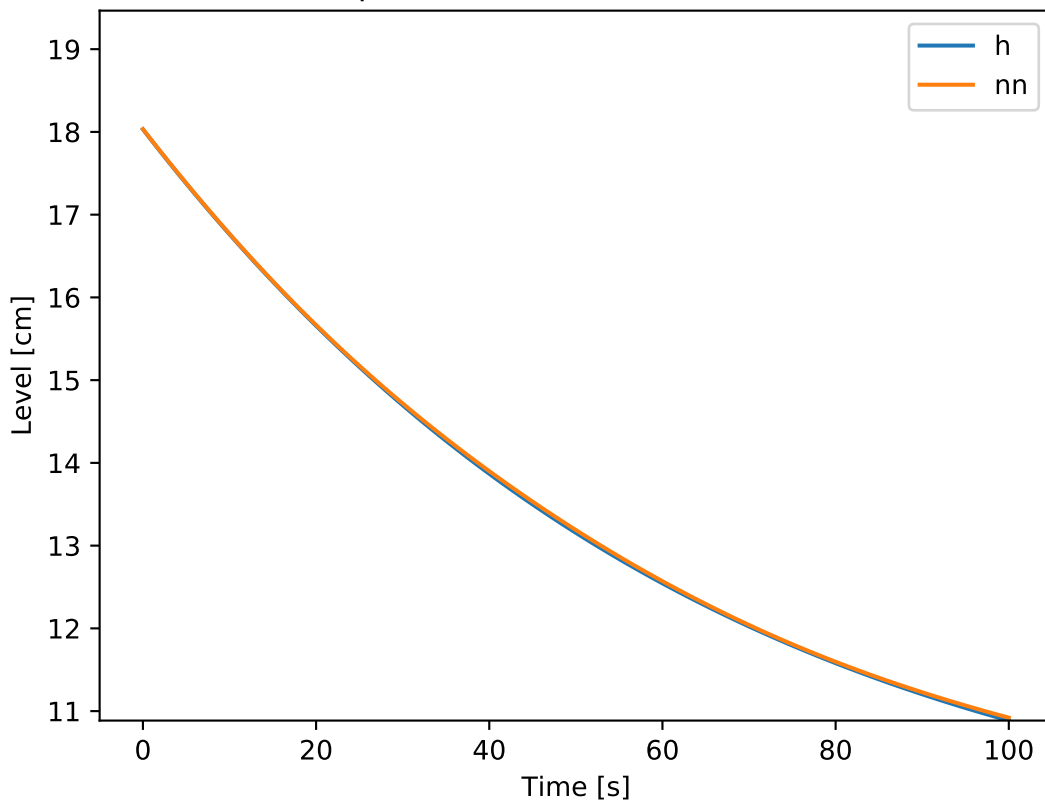
Control input $v = 3.044$ V. Plot MSE: 0.0 cm^2



Control input $v = 3.044$ V. Plot MSE: 0.0 cm^2



Control input $v = 3.044$ V. Plot MSE: 0.001 cm^2



Control input $v = 3.044$ V. Plot MSE: 0.002 cm^2

