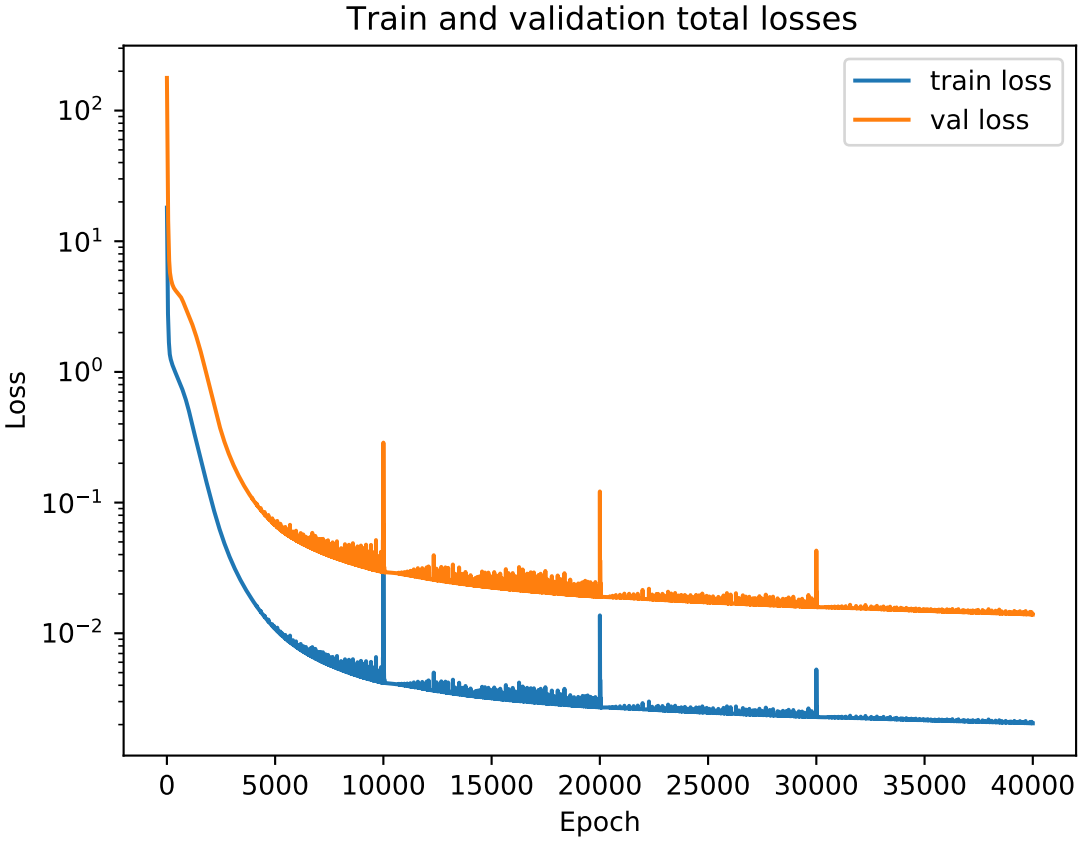
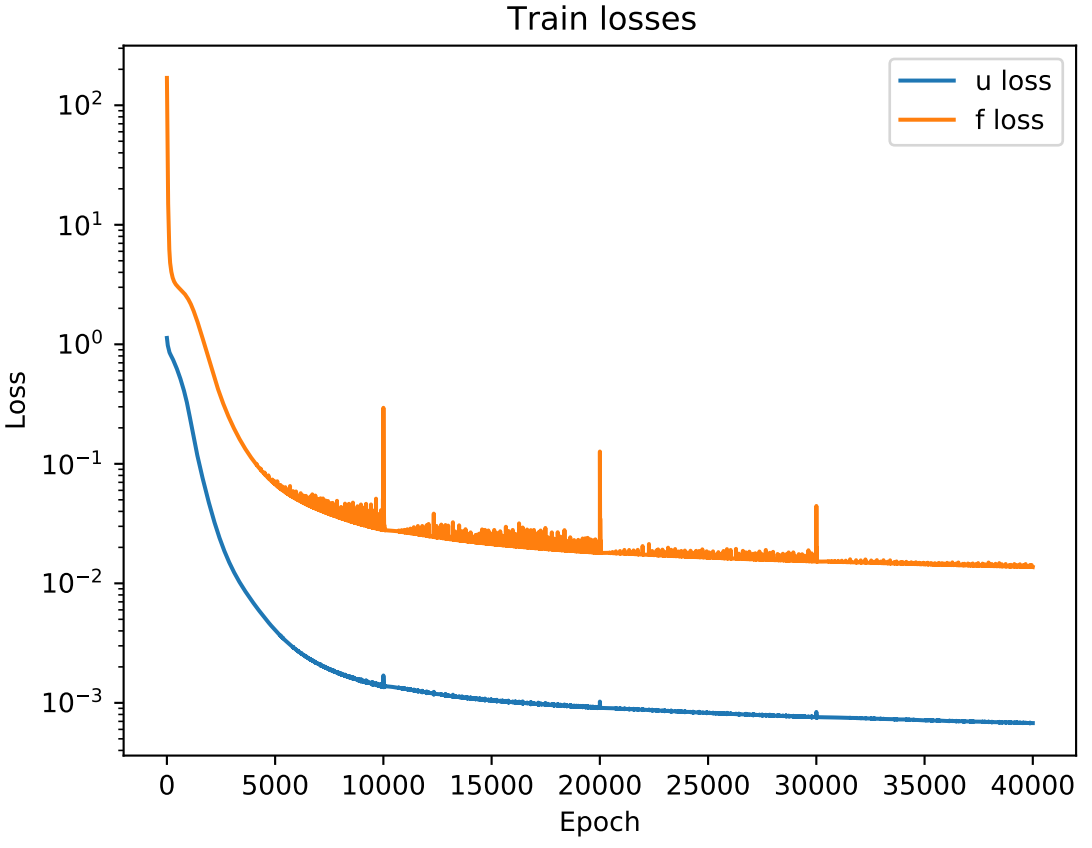
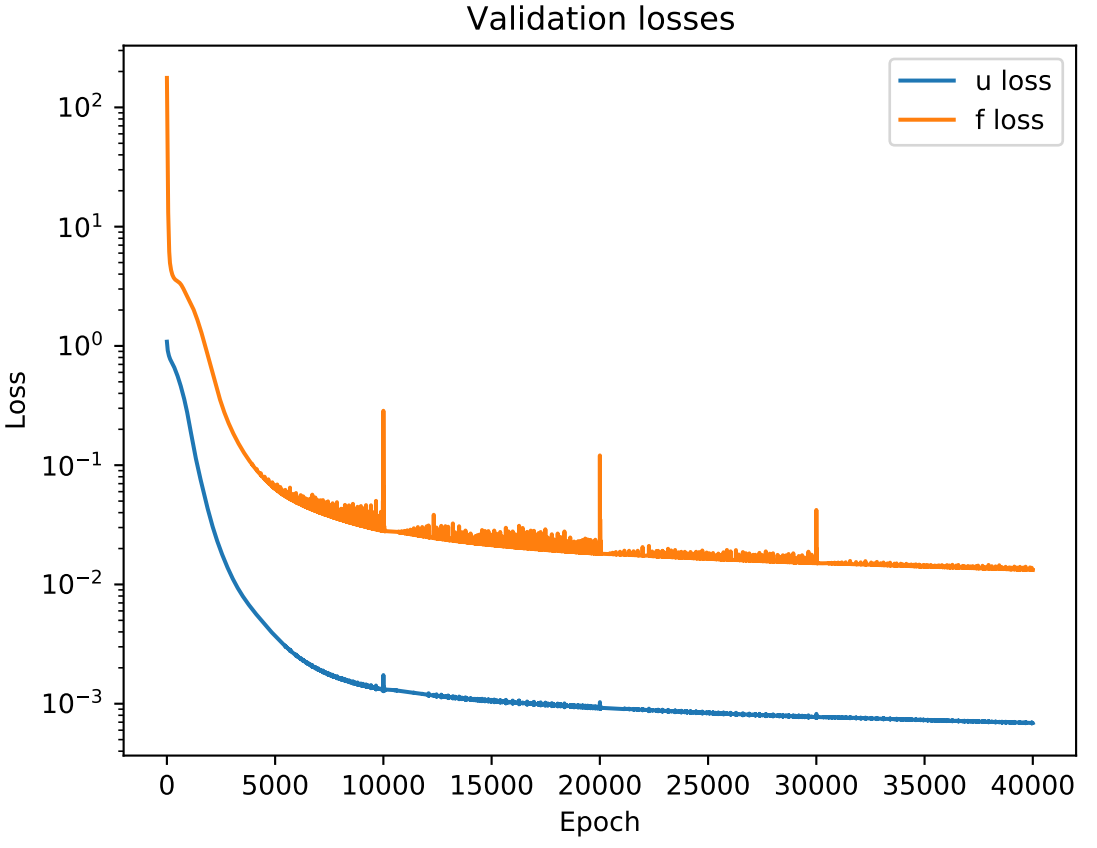
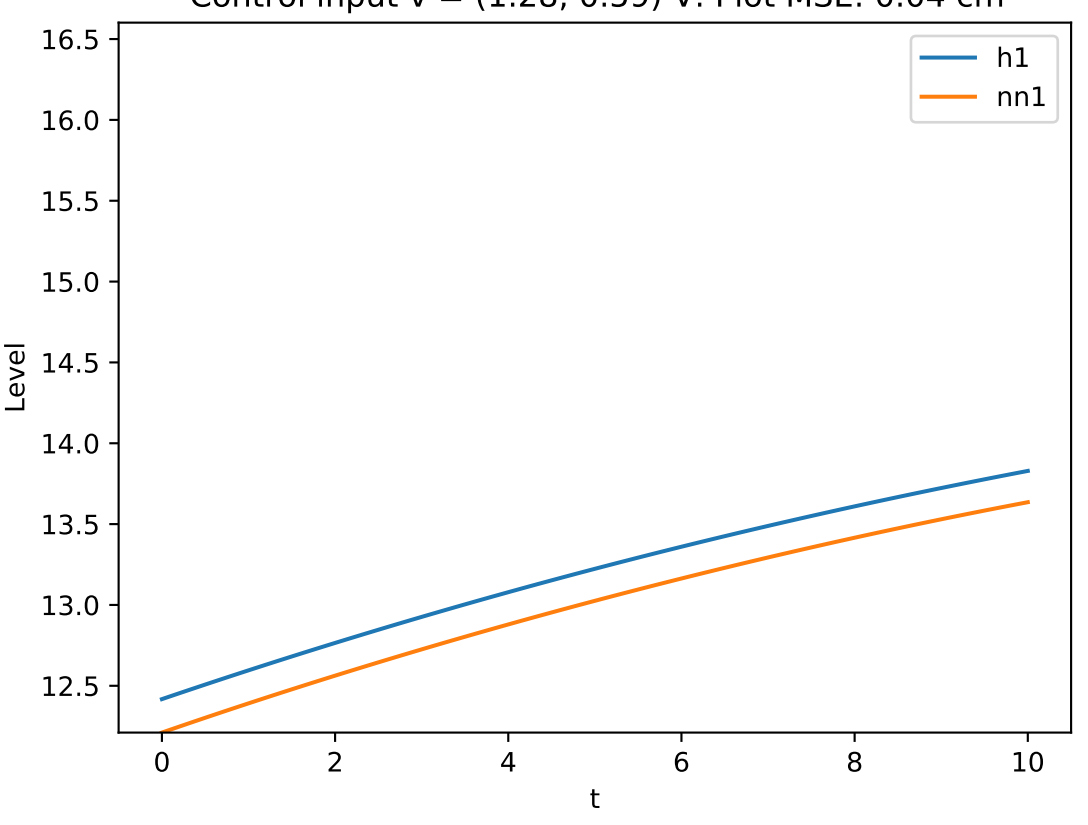
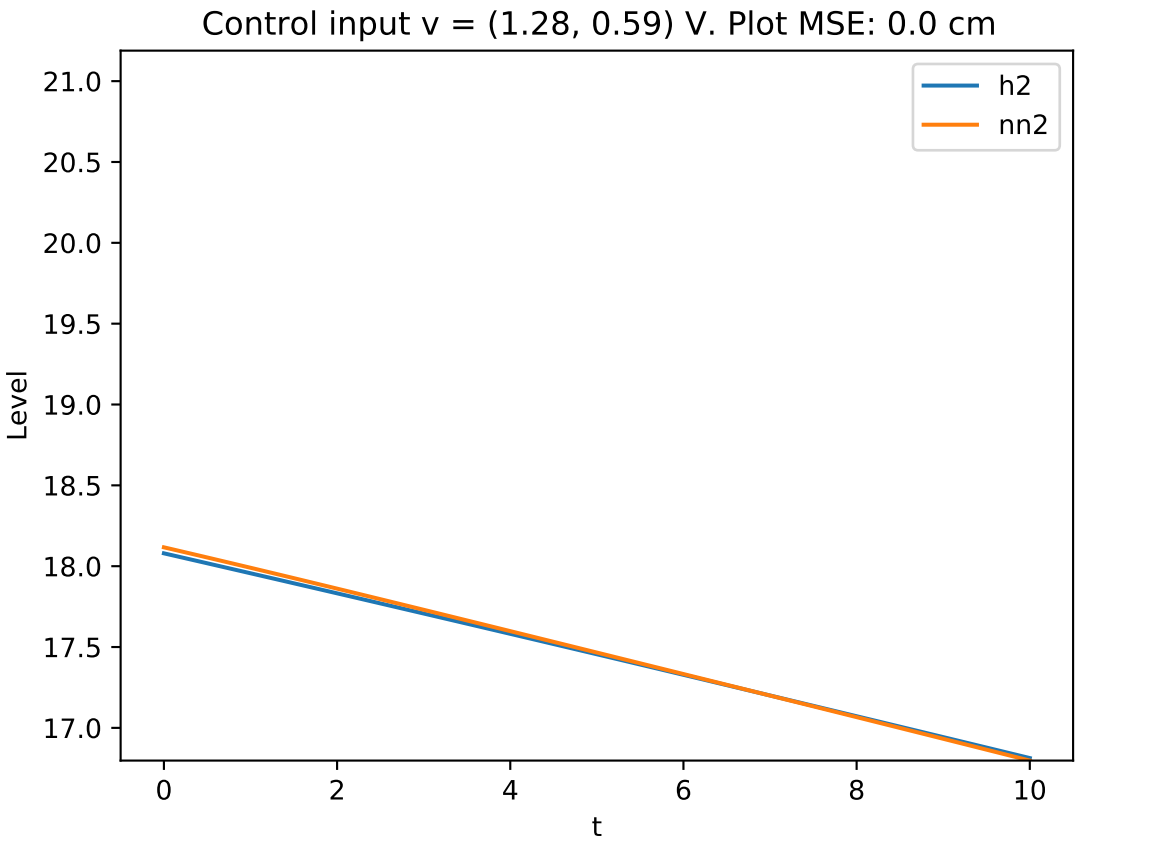
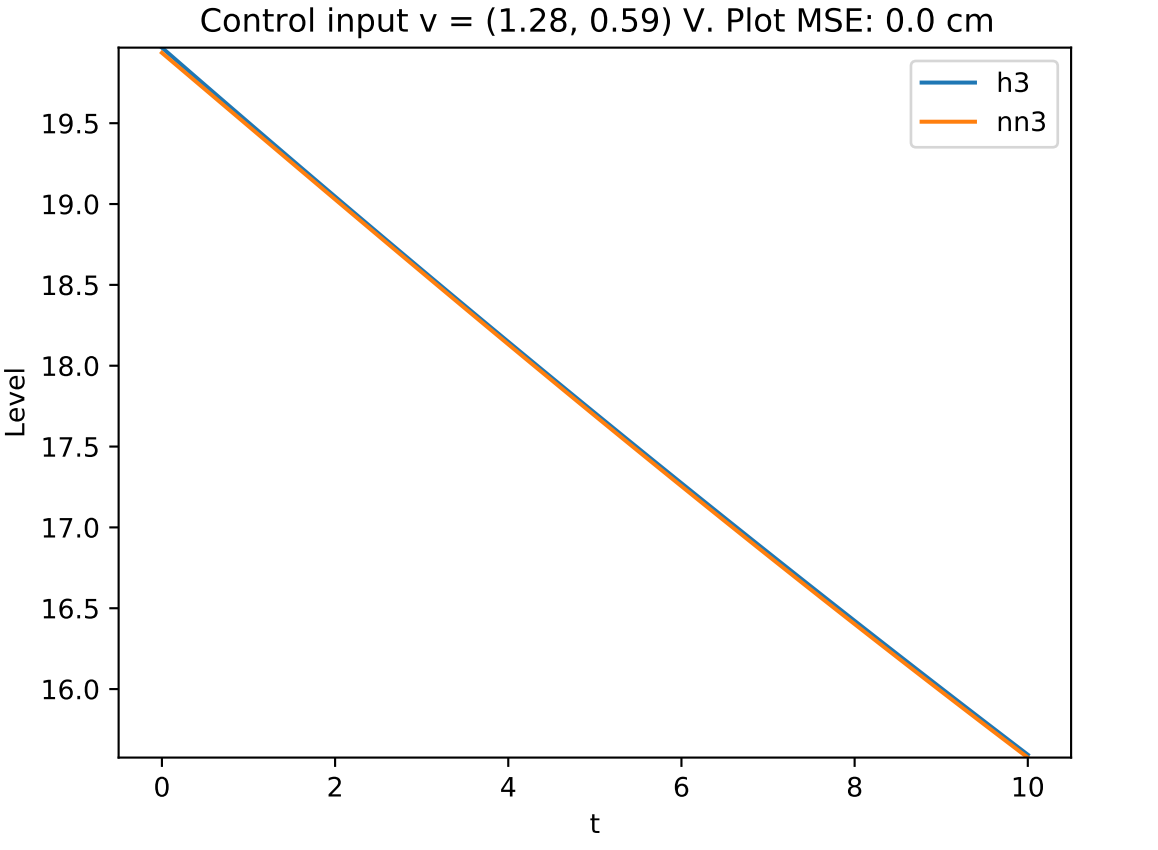

Train and validation total losses
train loss
val loss
Loss
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
0
5000
10000
15000
20000
25000
30000
35000
40000
Epoch

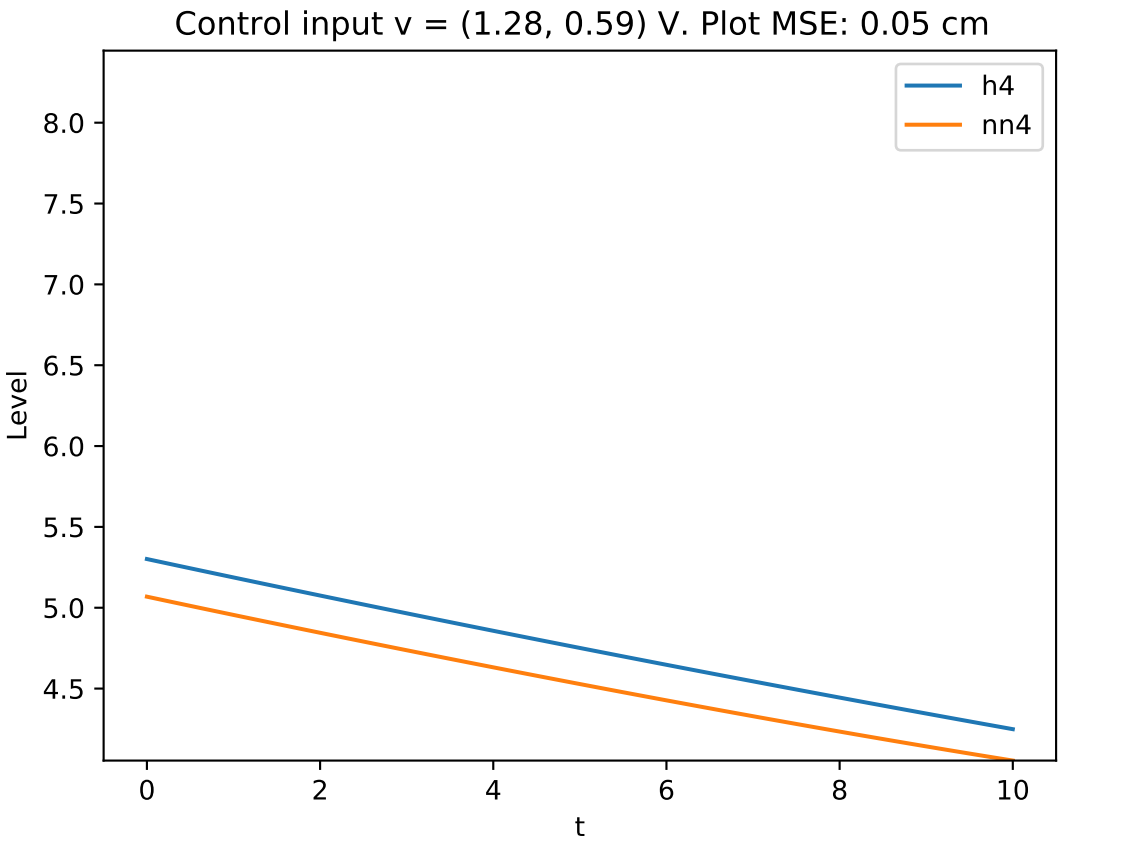

Train losses
u loss
f loss
Loss
Epoch
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
0
5000
10000
15000
20000
25000
30000
35000
40000

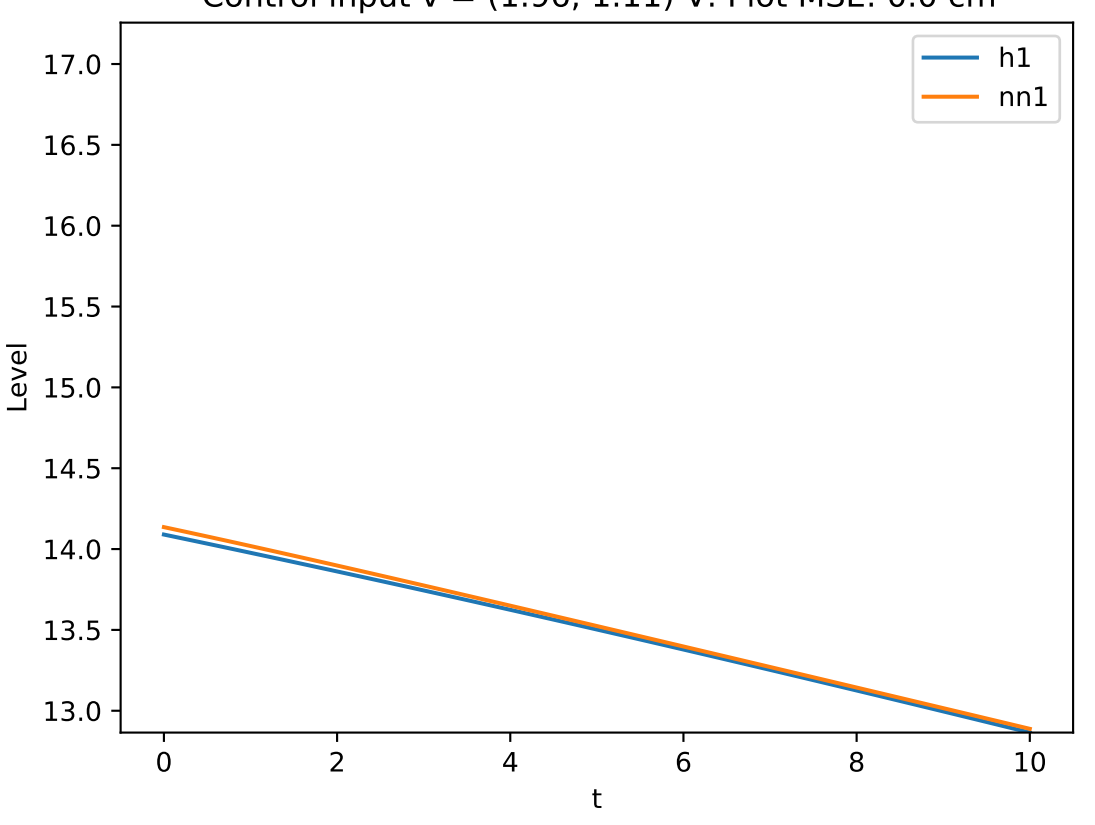

Validation losses
u loss
f loss
Loss
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
0
5000
10000
15000
20000
25000
30000
35000
40000
Epoch

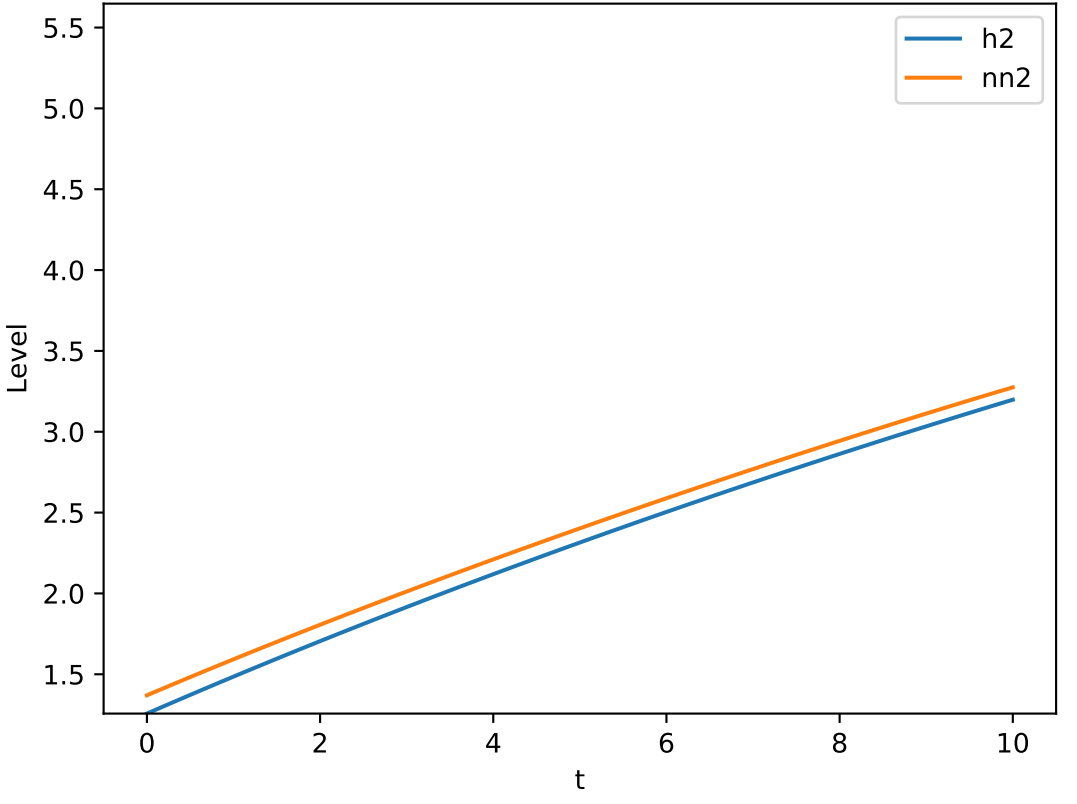

Control input v = (1.28, 0.59) V. Plot MSE: 0.04 cm
h1
nn1
16.5
16.0
15.5
15.0
14.5
14.0
13.5
13.0
12.5
Level
0
2
4
6
8
10
t

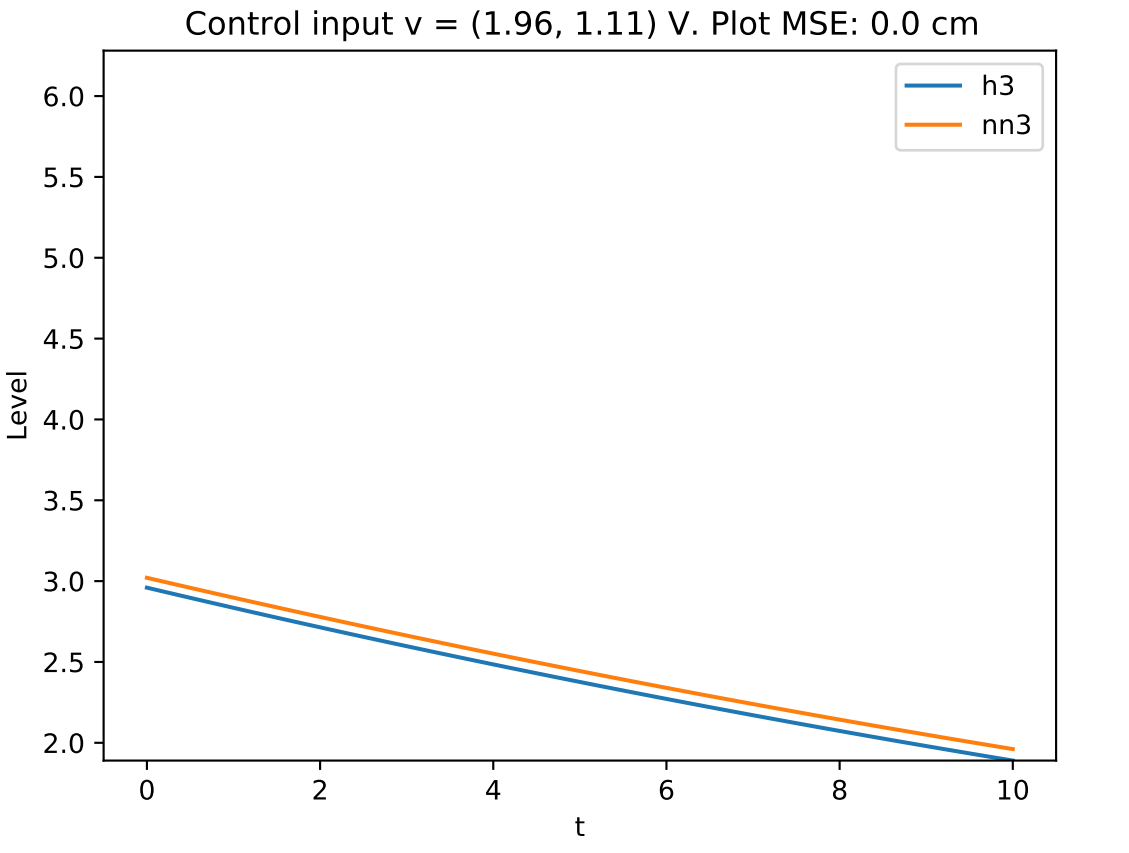

Control input v = (1.28, 0.59) V. Plot MSE: 0.0 cm
h2
nn2
21.0
20.5
20.0
19.5
19.0
18.5
18.0
17.5
17.0
Level
0
2
4
6
8
10
t

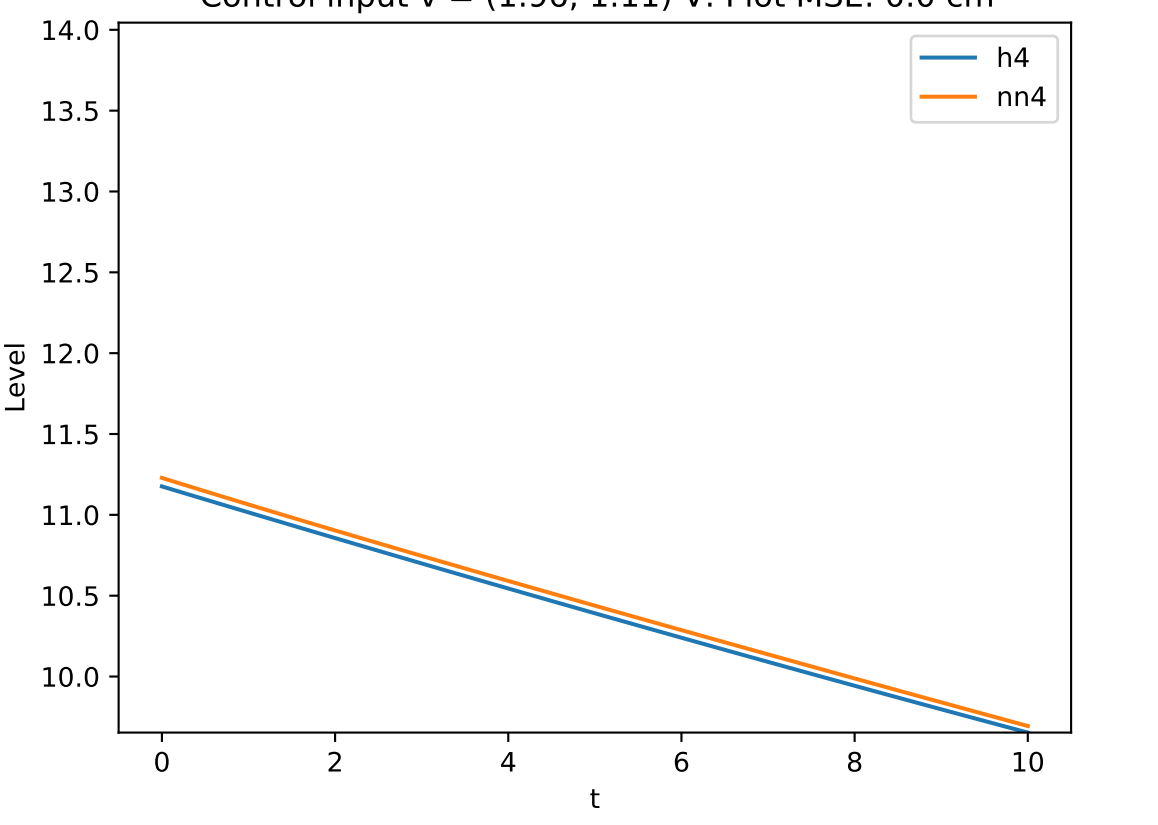

Control input v = (1.28, 0.59) V. Plot MSE: 0.0 cm
h3
nn3
19.5
19.0
18.5
18.0
17.5
17.0
16.5
16.0
Level
0
2
4
6
8
10
t

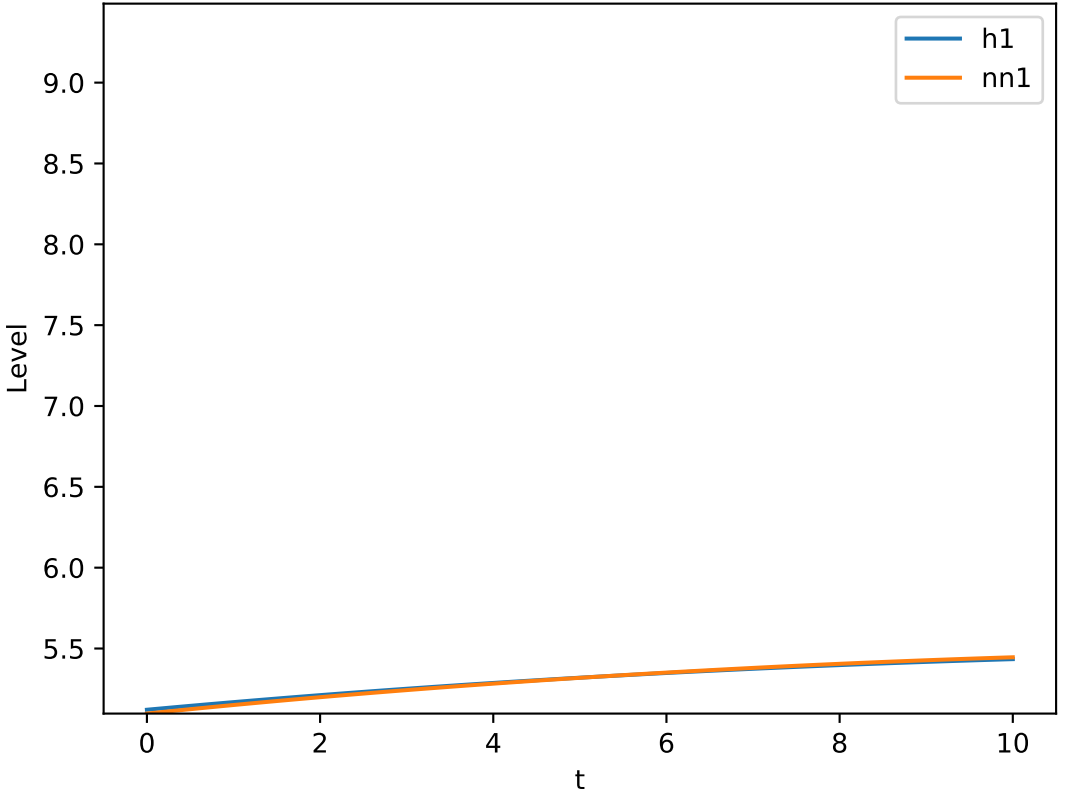

Control input v = (1.28, 0.59) V. Plot MSE: 0.05 cm
h4
nn4
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
Level
0
2
4
6
8
10
t

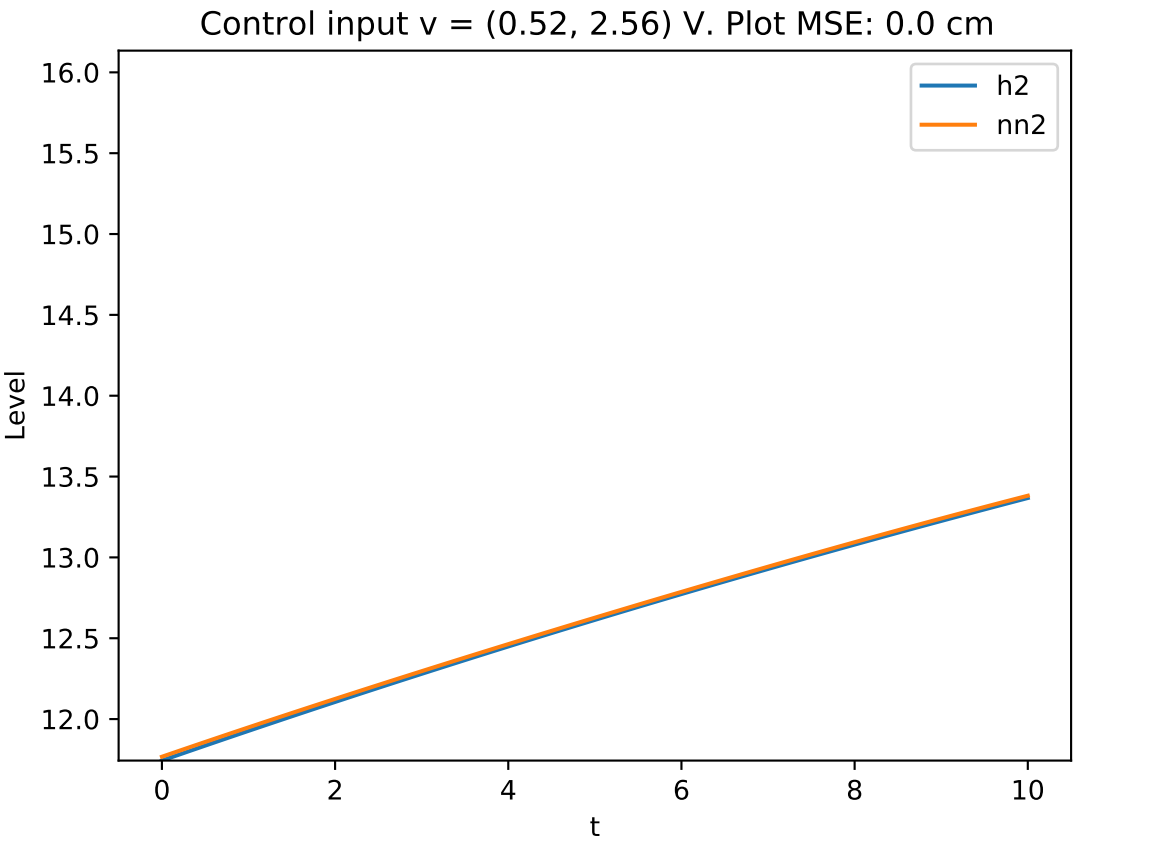

Control input v = (1.96, 1.11) V. Plot MSE: 0.0 cm
h1
nn1
17.0
16.5
16.0
15.5
15.0
14.5
14.0
13.5
13.0
Level
0
2
4
6
8
10
t

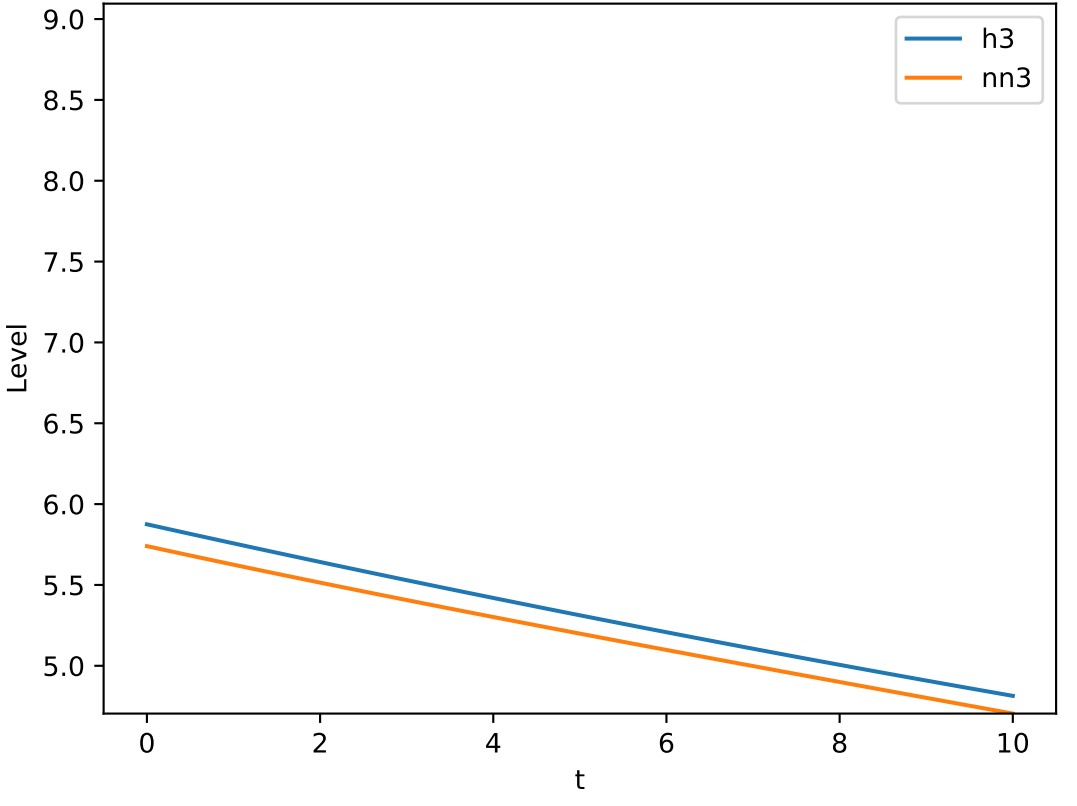

Control input v = (1.96, 1.11) V. Plot MSE: 0.01 cm
h2
nn2
Level
t
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
2
4
6
8
10

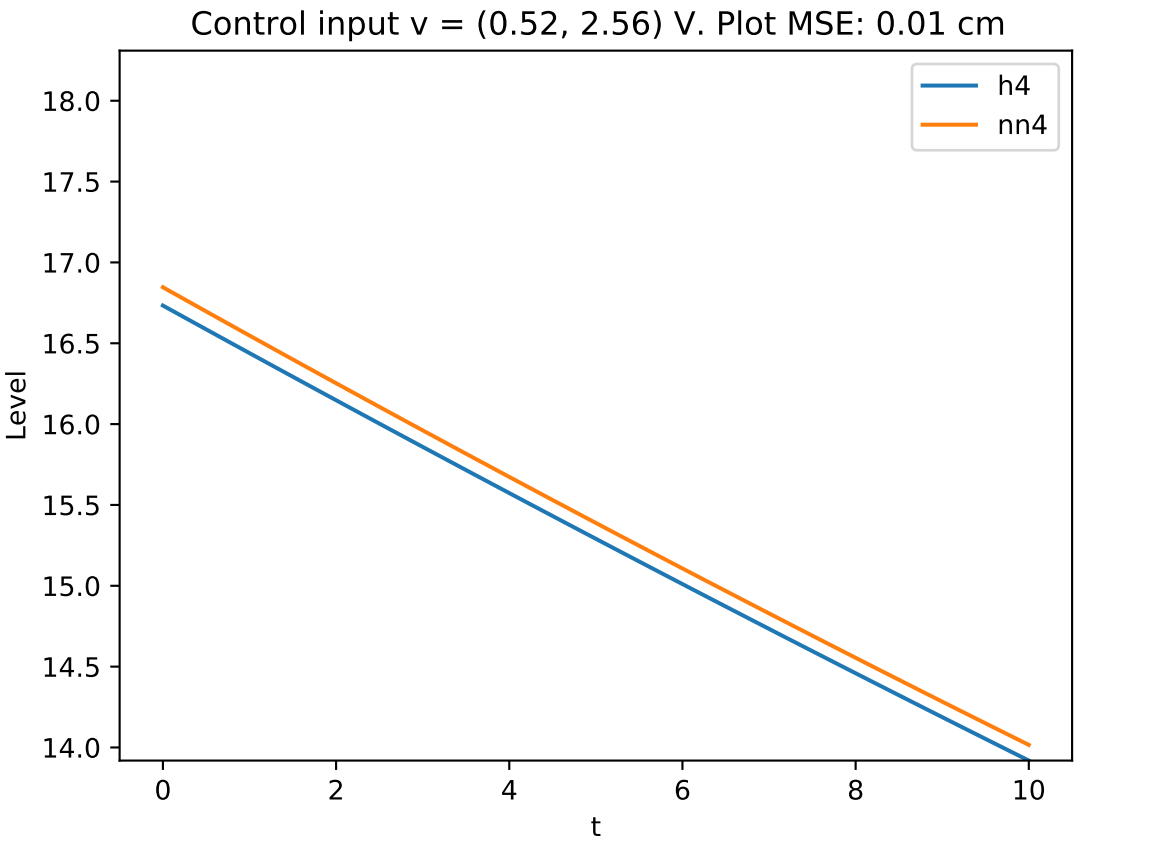

Control input v = (1.96, 1.11) V. Plot MSE: 0.0 cm
h3
nn3
Level
t
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
0
2
4
6
8
10

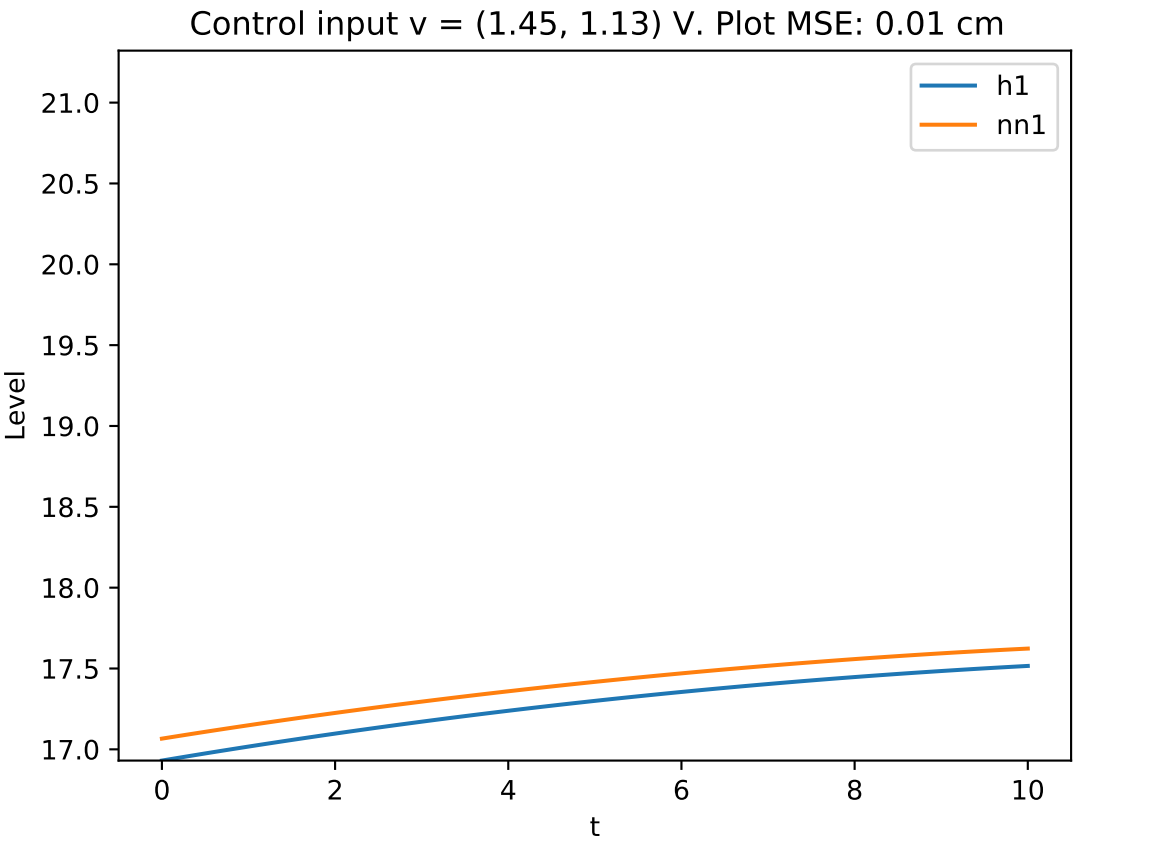

Control input v = (1.96, 1.11) V. Plot MSE: 0.0 cm
h4
nn4
Level
t
14.0
13.5
13.0
12.5
12.0
11.5
11.0
10.5
10.0
0
2
4
6
8
10

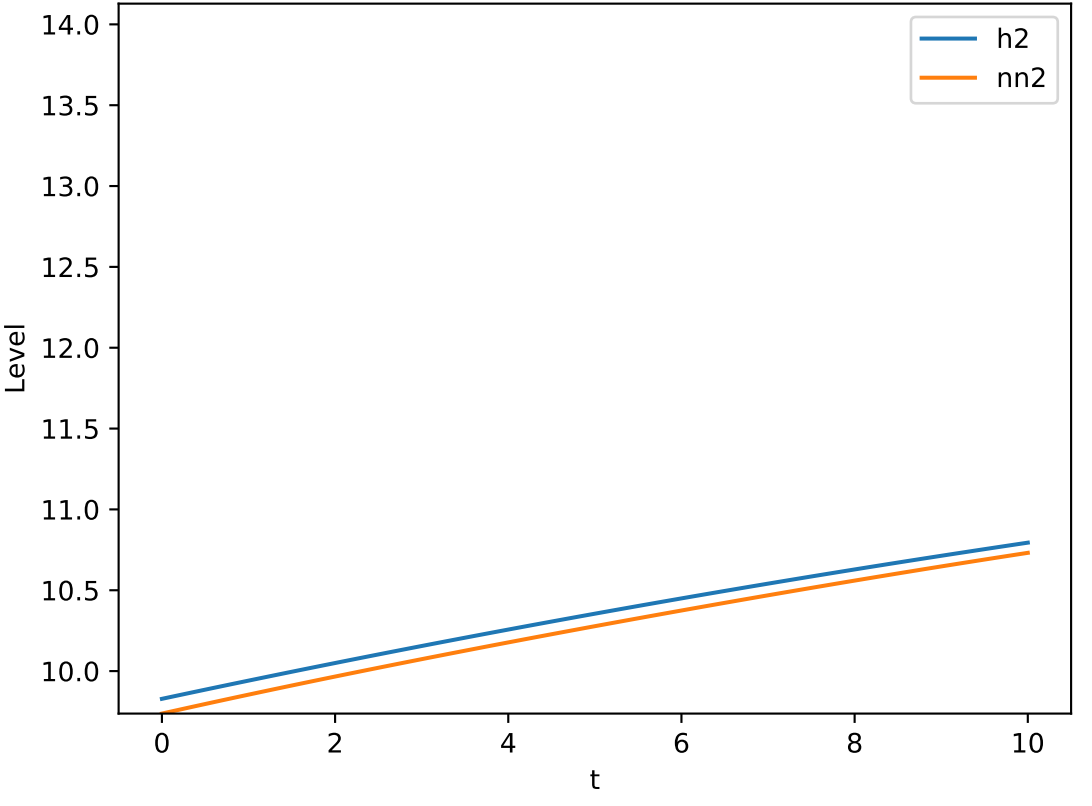

Control input v = (0.52, 2.56) V. Plot MSE: 0.0 cm
h1
nn1
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
Level
0
2
4
6
8
10
t

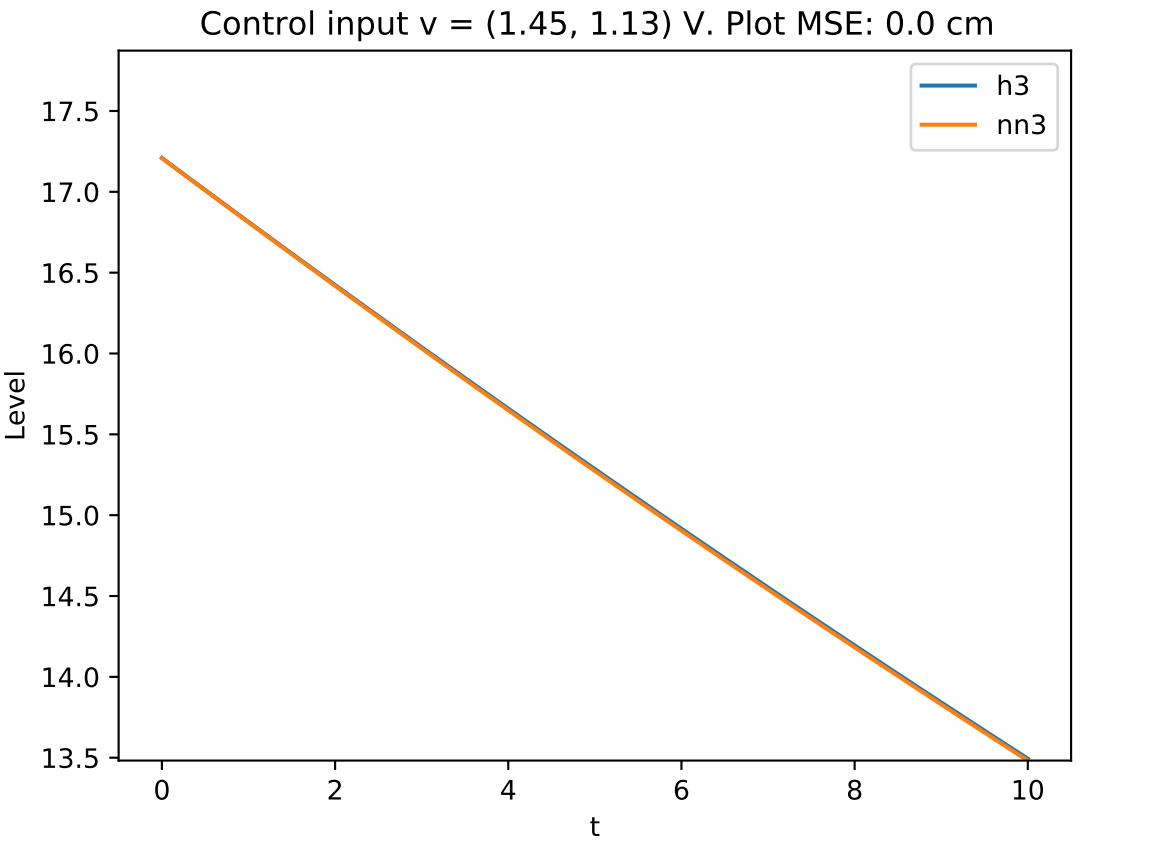

Control input v = (0.52, 2.56) V. Plot MSE: 0.0 cm
h2
nn2
Level
t
16.0
15.5
15.0
14.5
14.0
13.5
13.0
12.5
12.0
0
2
4
6
8
10

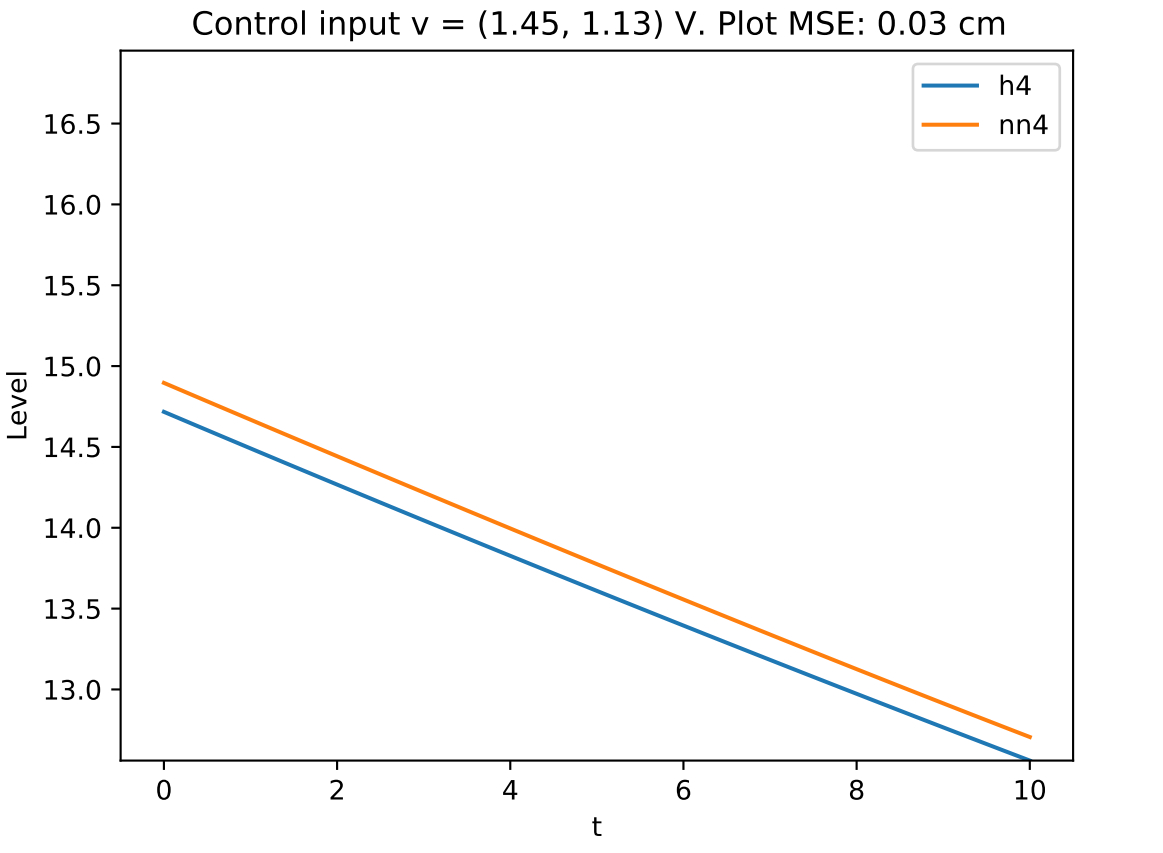

Control input v = (0.52, 2.56) V. Plot MSE: 0.01 cm
h3
nn3
Level
t
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
0
2
4
6
8
10

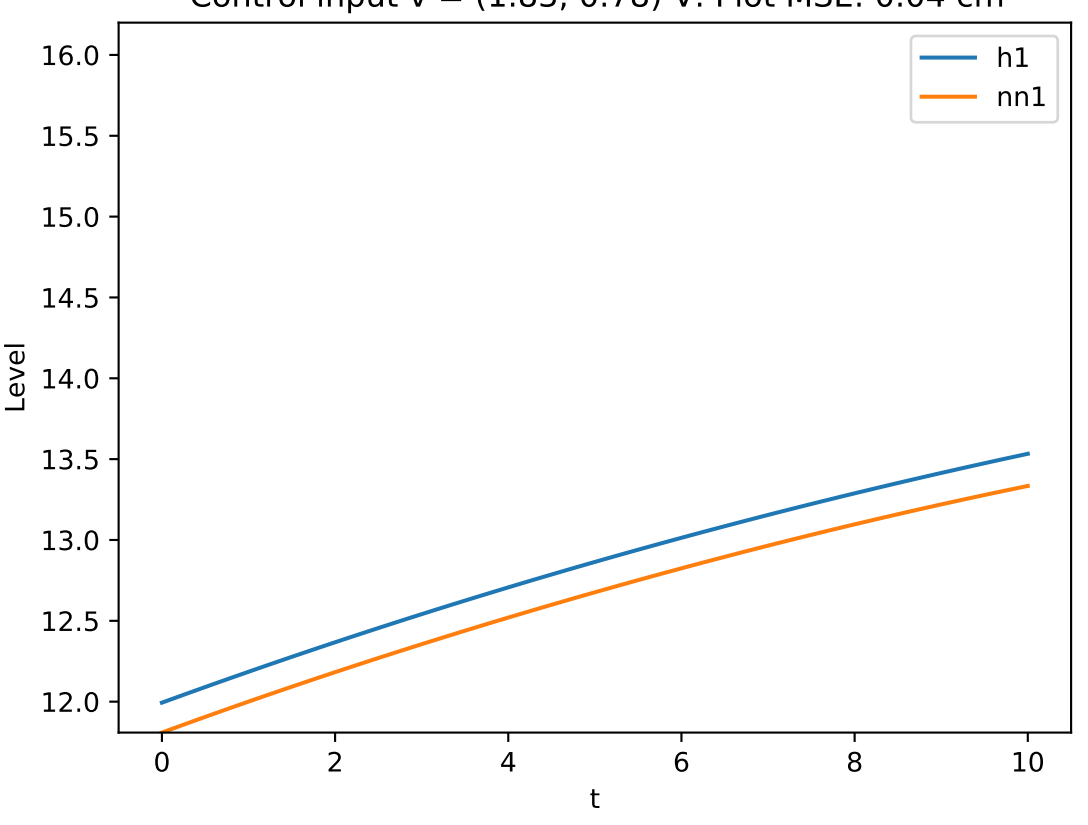

Control input v = (0.52, 2.56) V. Plot MSE: 0.01 cm
h4
nn4
18.0
17.5
17.0
16.5
16.0
15.5
15.0
14.5
14.0
Level
0
2
4
6
8
10
t

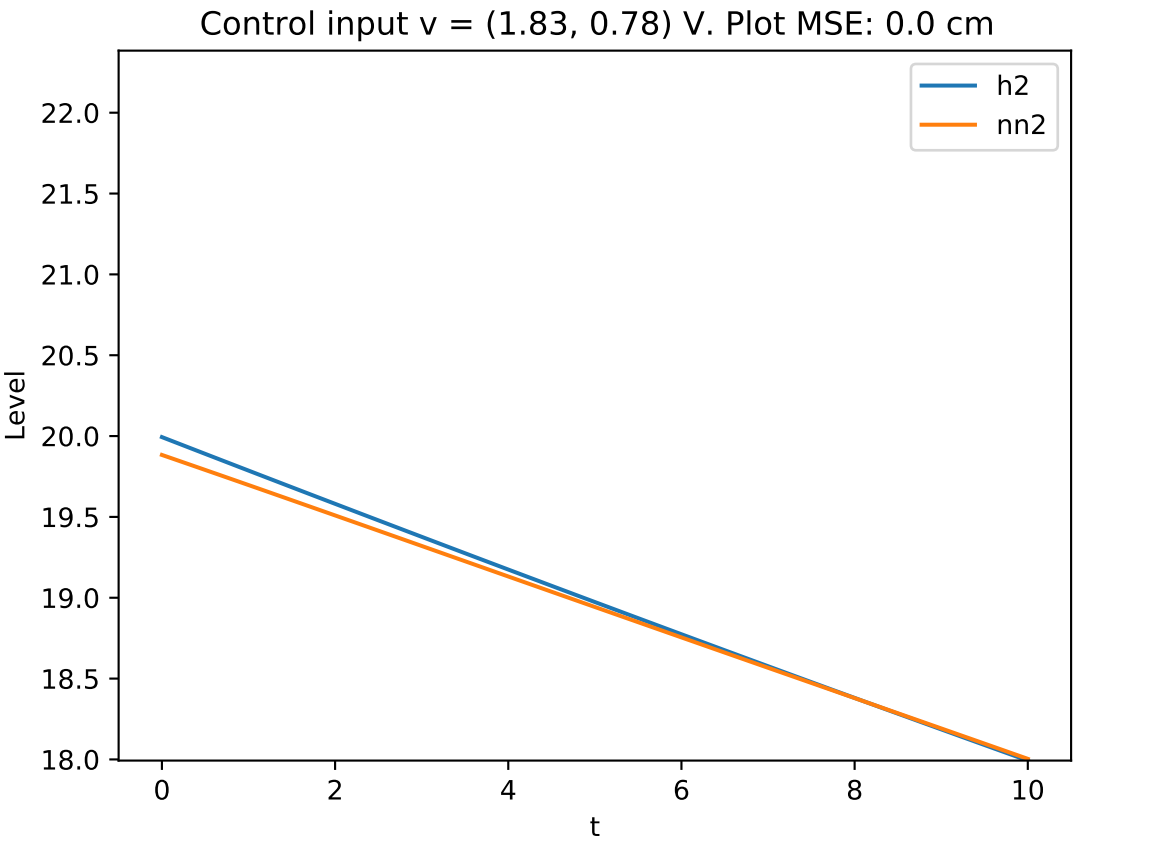

Control input v = (1.45, 1.13) V. Plot MSE: 0.01 cm
h1
nn1
21.0
20.5
20.0
19.5
19.0
18.5
18.0
17.5
17.0
Level
0
2
4
6
8
10
t

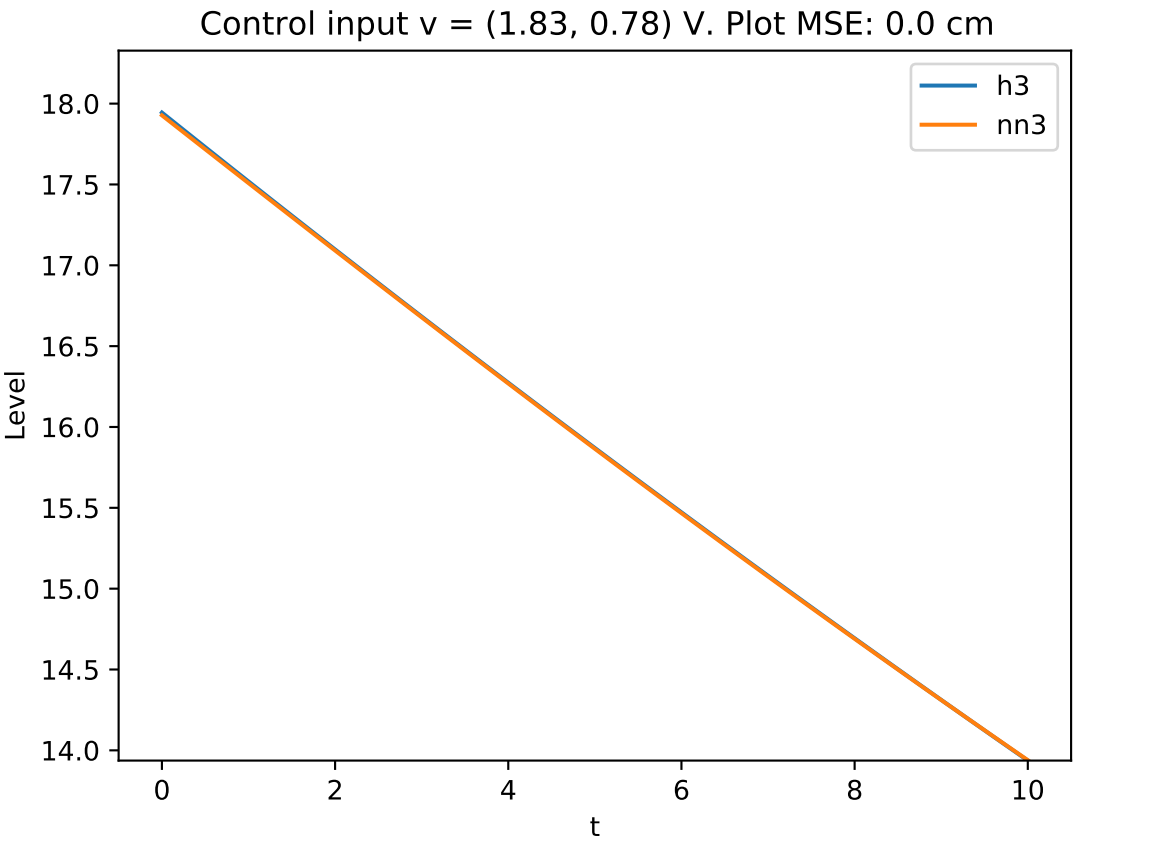

Control input v = (1.45, 1.13) V. Plot MSE: 0.01 cm
h2
nn2
Level
t
14.0
13.5
13.0
12.5
12.0
11.5
11.0
10.5
10.0
0
2
4
6
8
10

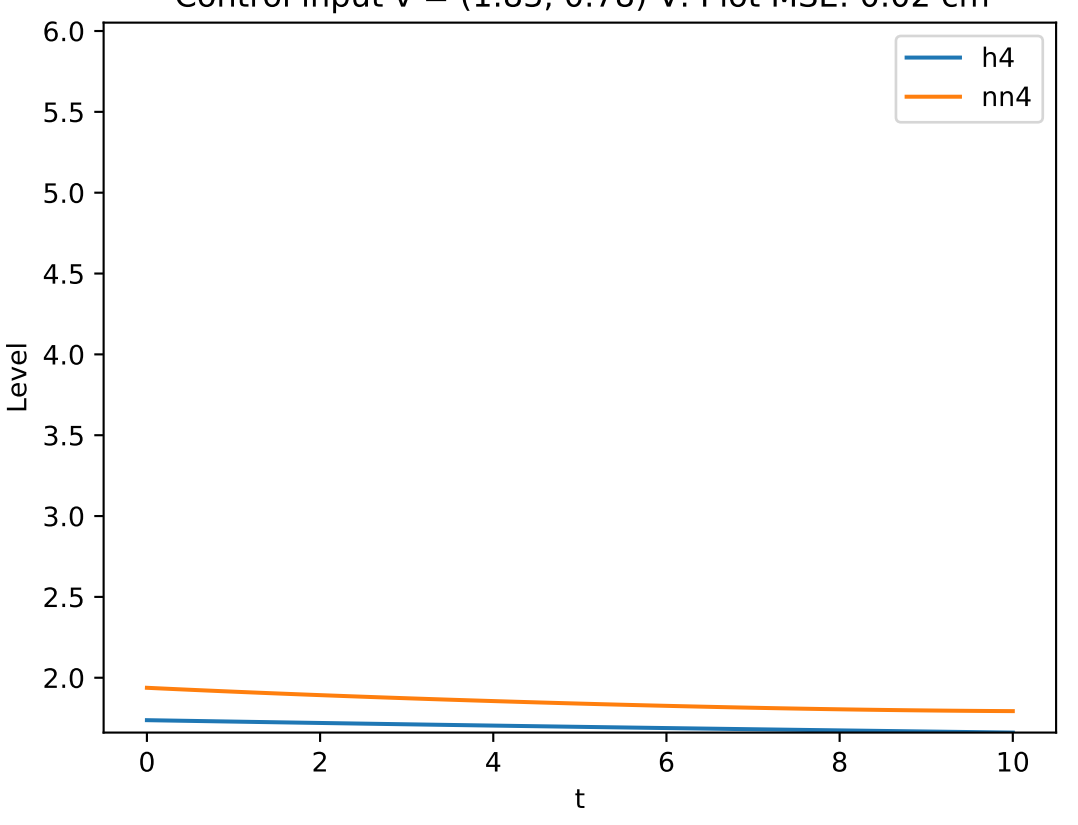

Control input v = (1.45, 1.13) V. Plot MSE: 0.0 cm
h3
nn3
17.5
17.0
16.5
16.0
15.5
15.0
14.5
14.0
13.5
Level
0
2
4
6
8
10
t


Control input v = (1.45, 1.13) V. Plot MSE: 0.03 cm
h4
nn4
16.5
16.0
15.5
15.0
14.5
14.0
13.5
13.0
Level
0
2
4
6
8
10
t


Control input v = (1.83, 0.78) V. Plot MSE: 0.04 cm
h1
nn1
16.0
15.5
15.0
14.5
14.0
13.5
13.0
12.5
12.0
Level
0
2
4
6
8
10
t


Control input v = (1.83, 0.78) V. Plot MSE: 0.0 cm
h2
nn2
22.0
21.5
21.0
20.5
20.0
19.5
19.0
18.5
18.0
Level
0
2
4
6
8
10
t


Control input v = (1.83, 0.78) V. Plot MSE: 0.0 cm
h3
nn3
18.0
17.5
17.0
16.5
16.0
15.5
15.0
14.5
14.0
Level
0
2
4
6
8
10
t


Control input v = (1.83, 0.78) V. Plot MSE: 0.02 cm
h4
nn4
Level
t
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
0
2
4
6
8
10