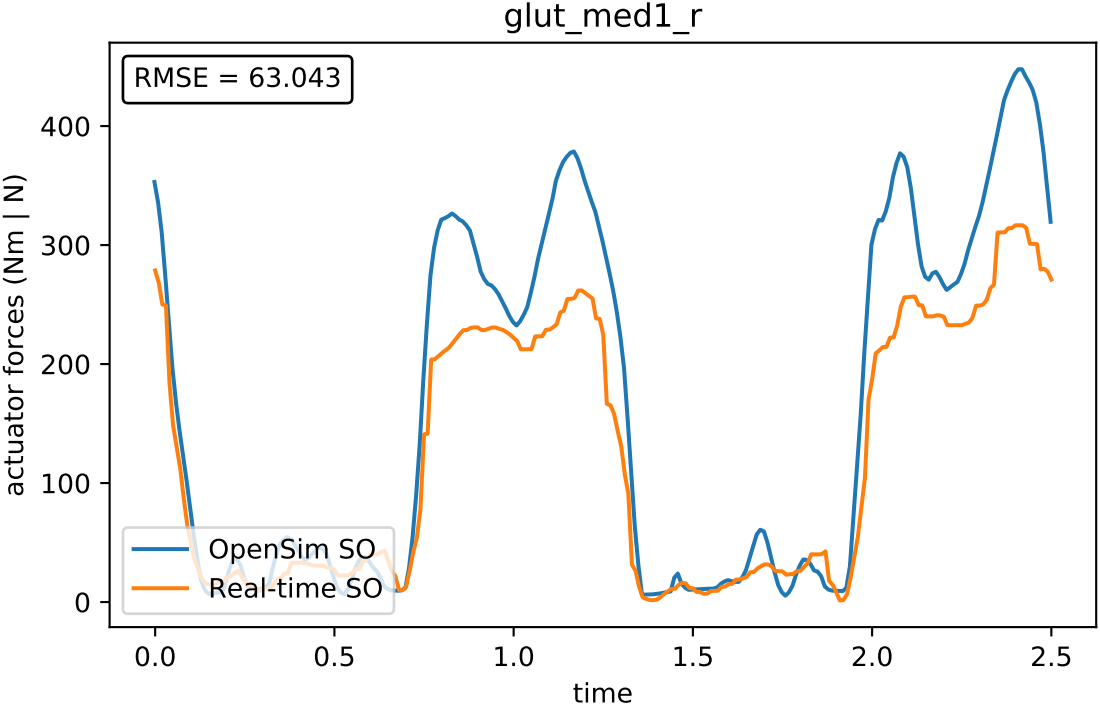
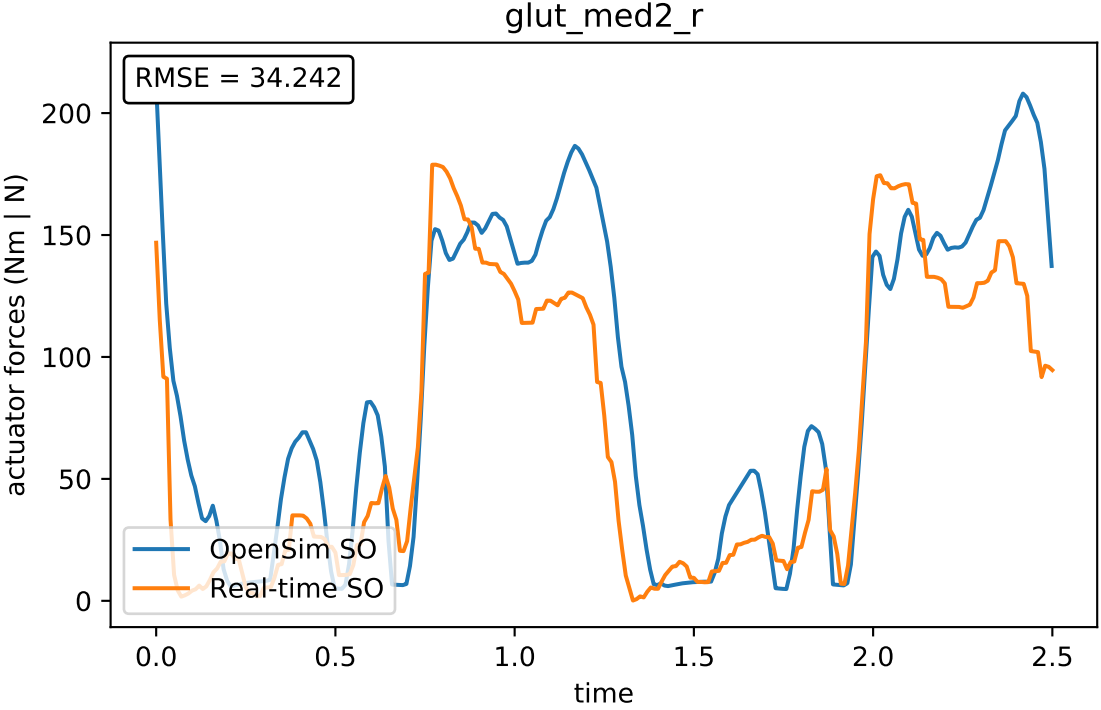
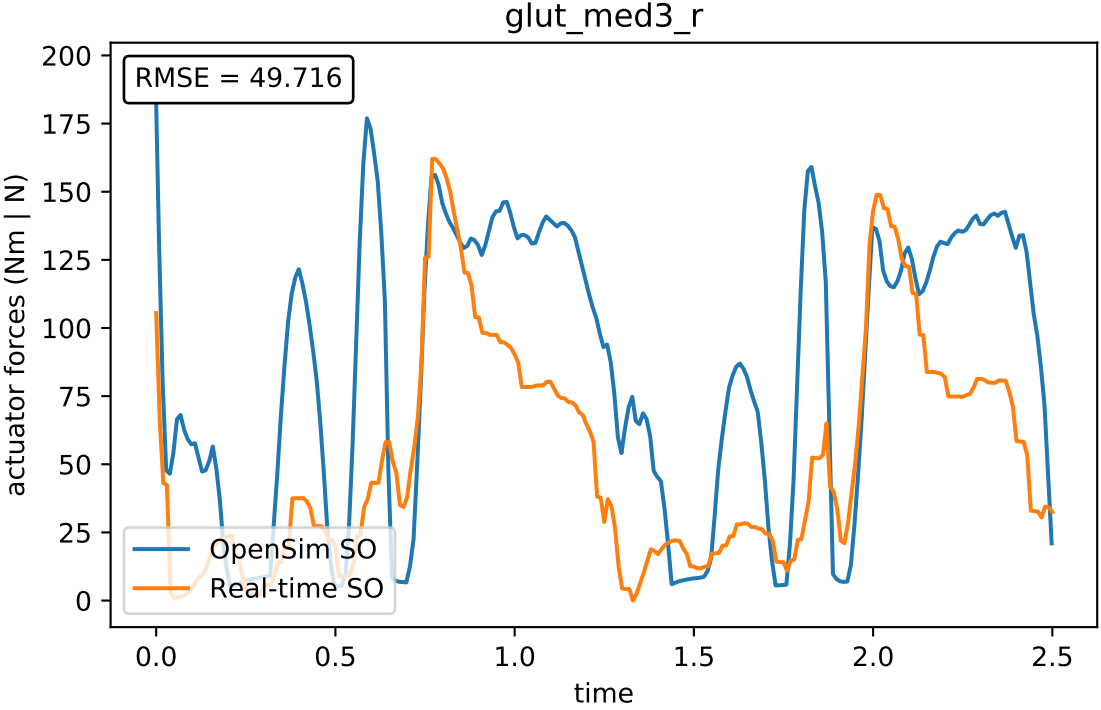
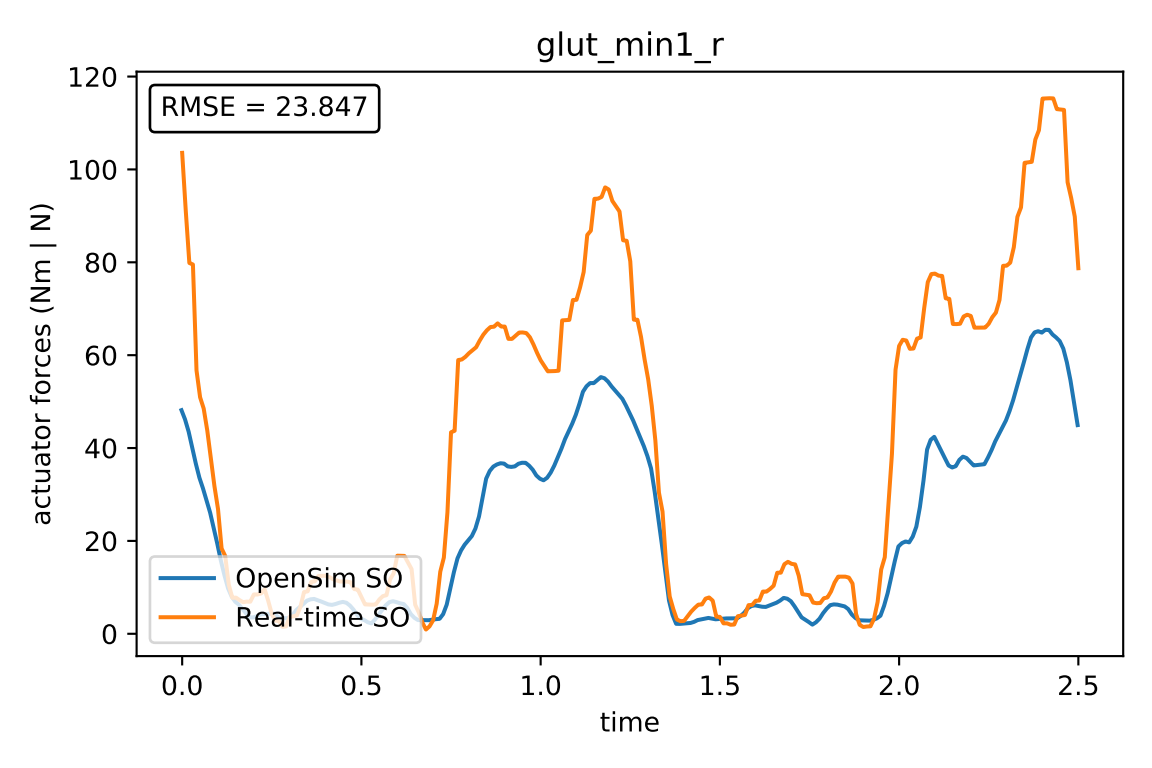
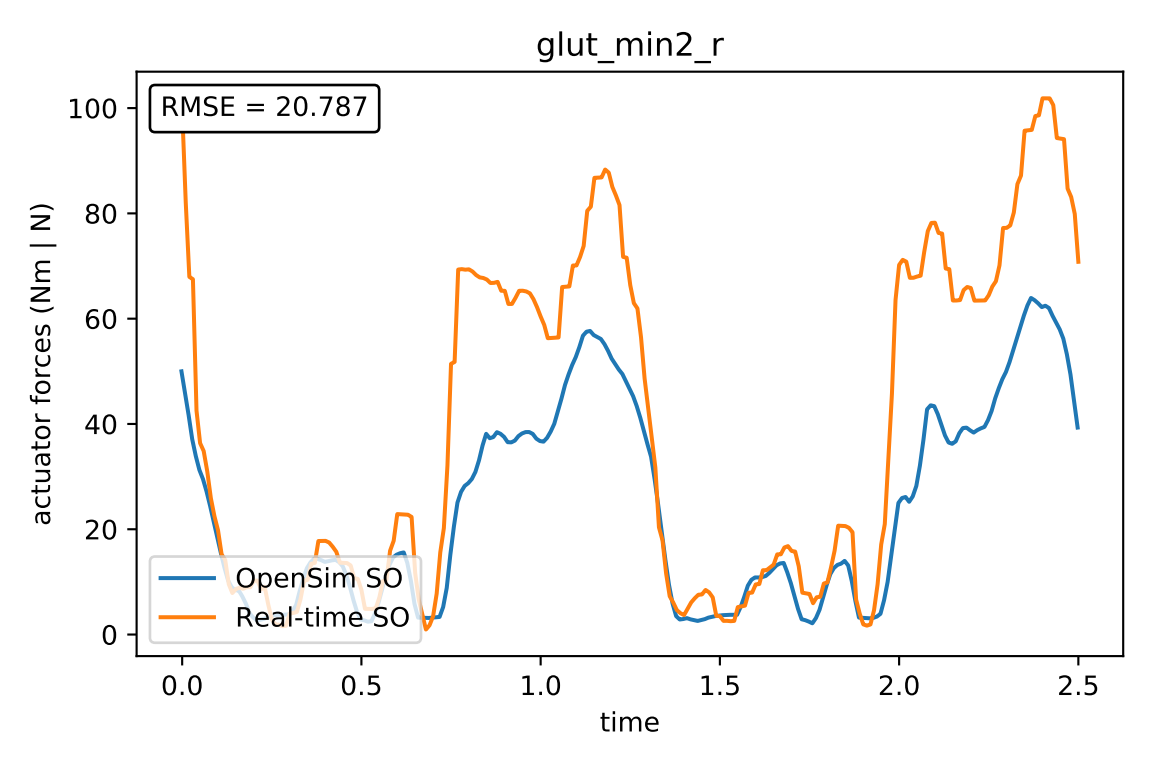
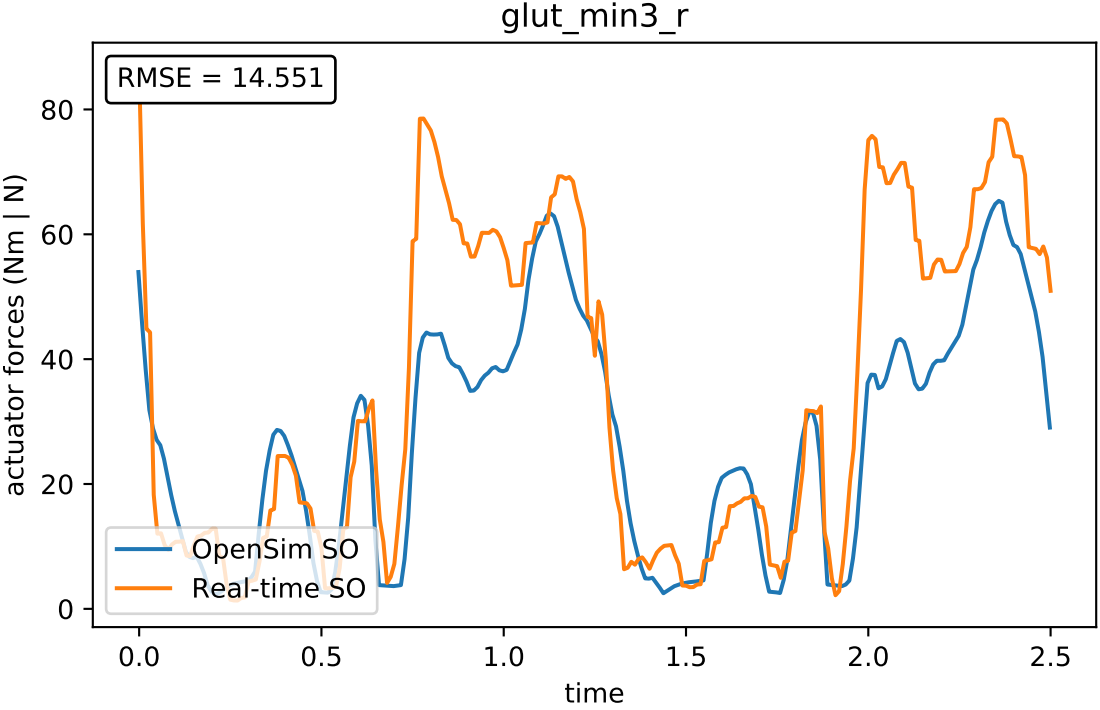

glut_med1_r
RMSE = 63.043
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
0.0
0.5
1.0
1.5
2.0
2.5

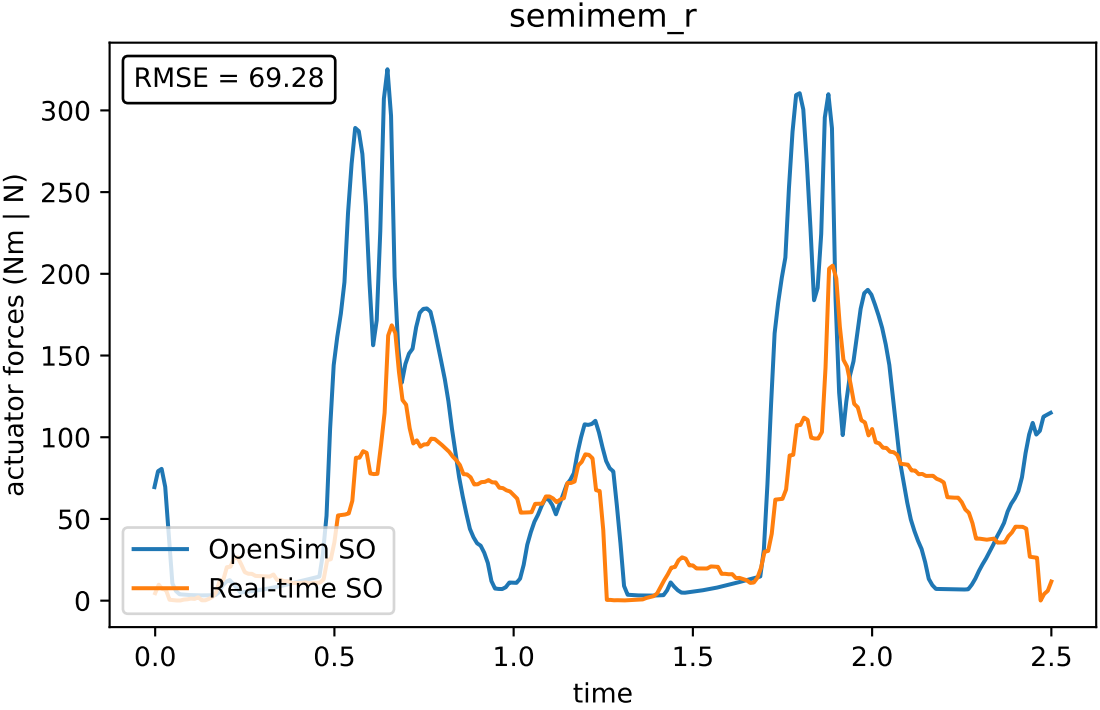

glut_med2_r
RMSE = 34.242
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0
2.5

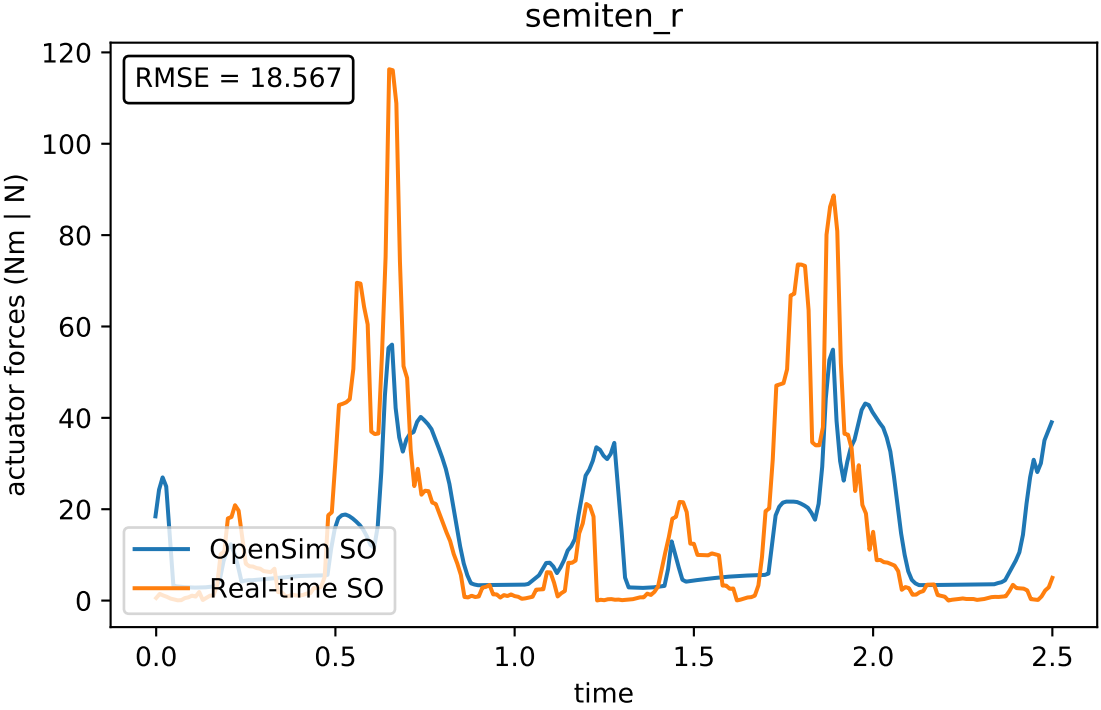

glut_med3_r
RMSE = 49.716
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
200
175
150
125
100
75
50
25
0
0.0
0.5
1.0
1.5
2.0
2.5

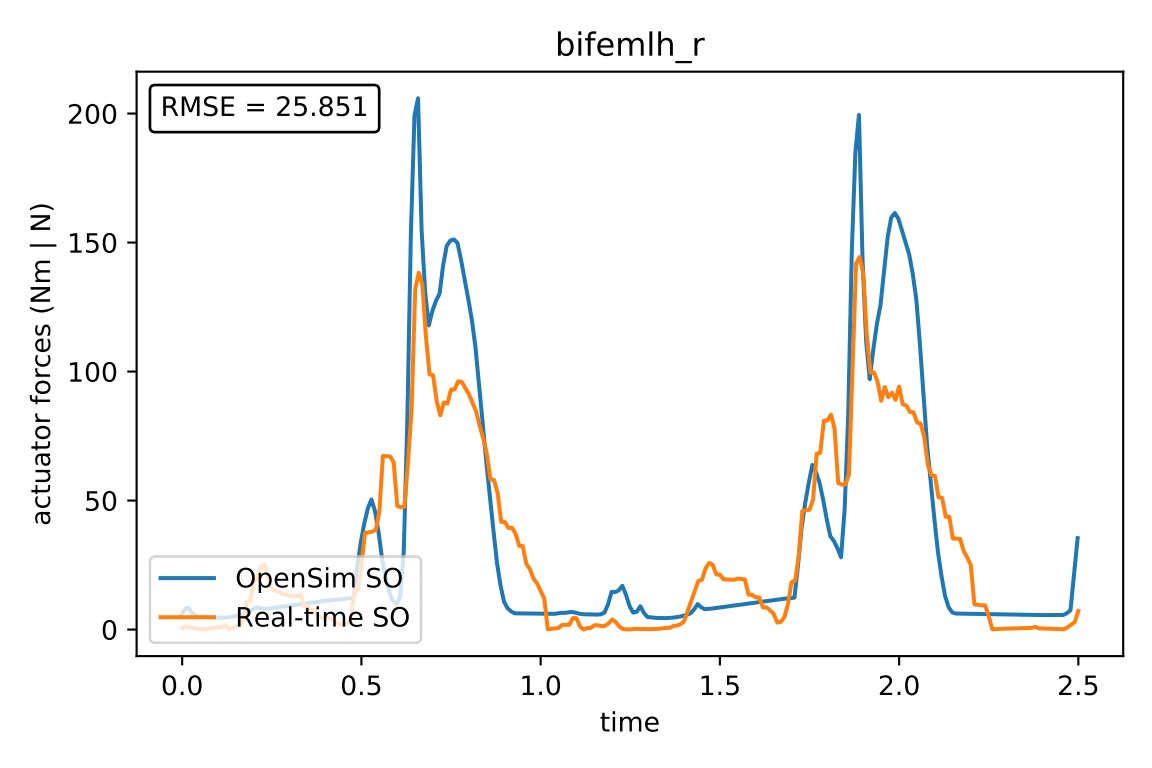

glut_min1_r
RMSE = 23.847
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
120
100
80
60
40
20
0
0.0
0.5
1.0
1.5
2.0
2.5

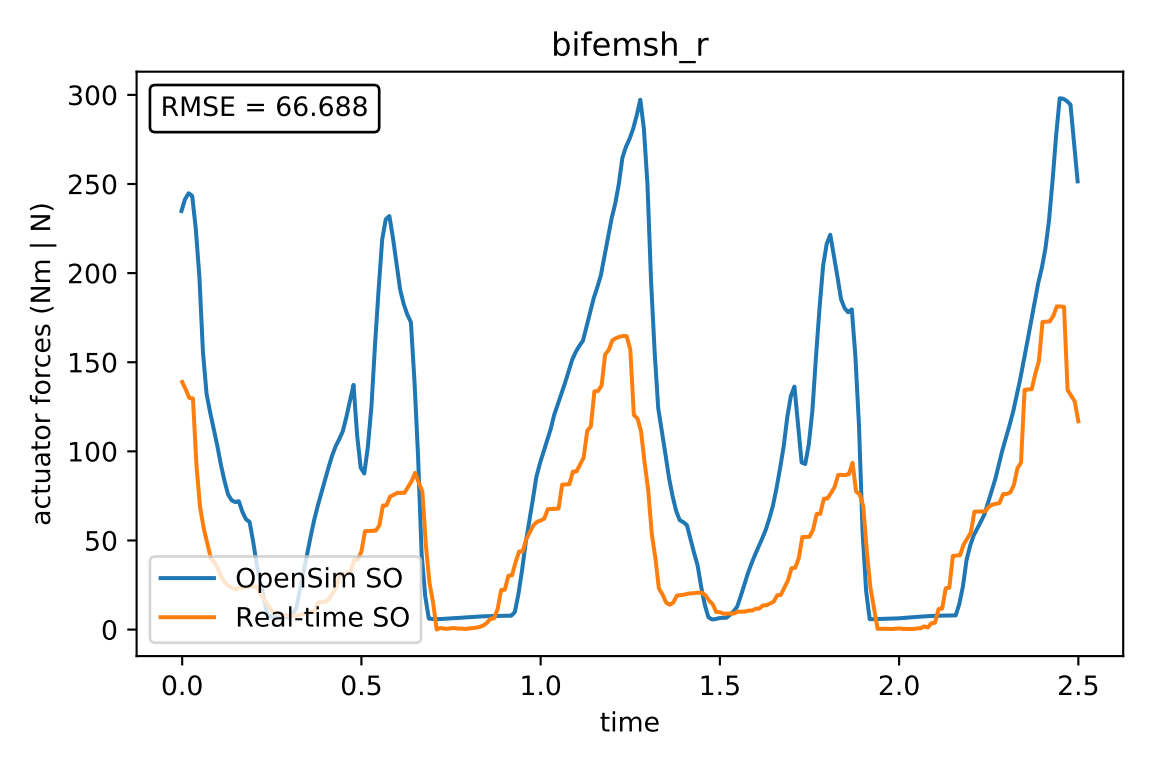

glut_min2_r
RMSE = 20.787
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

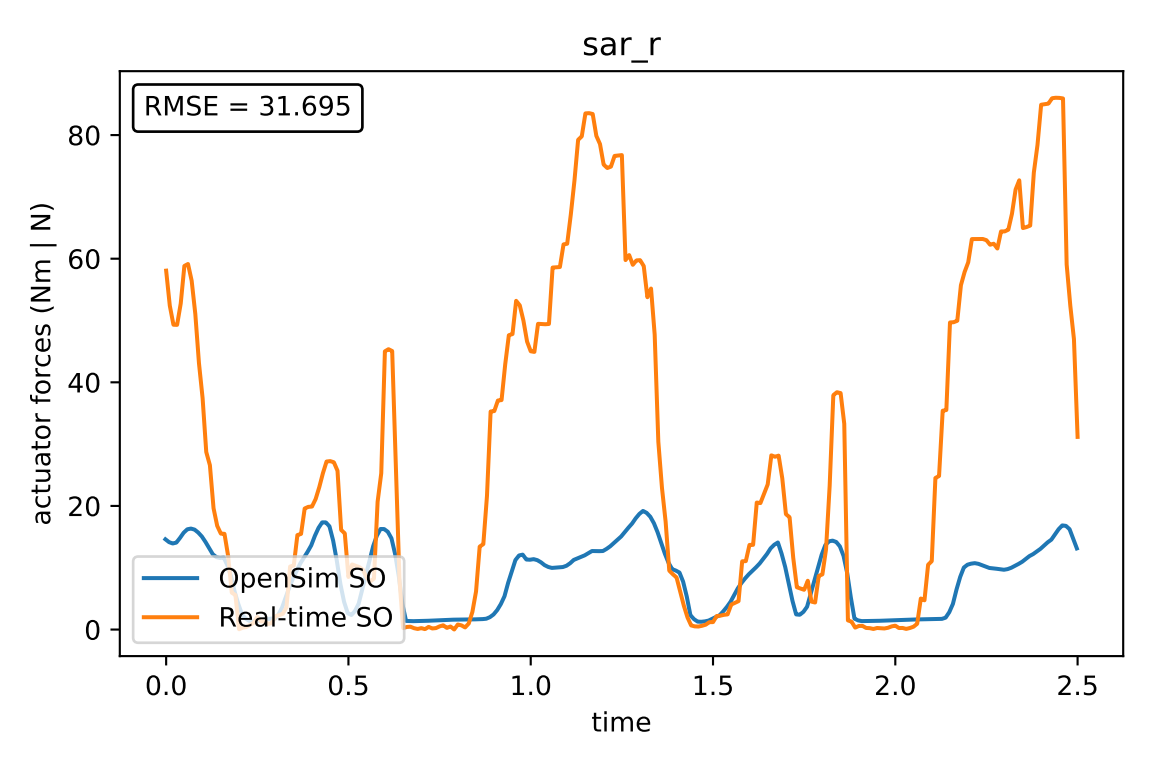

glut_min3_r
RMSE = 14.551
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5

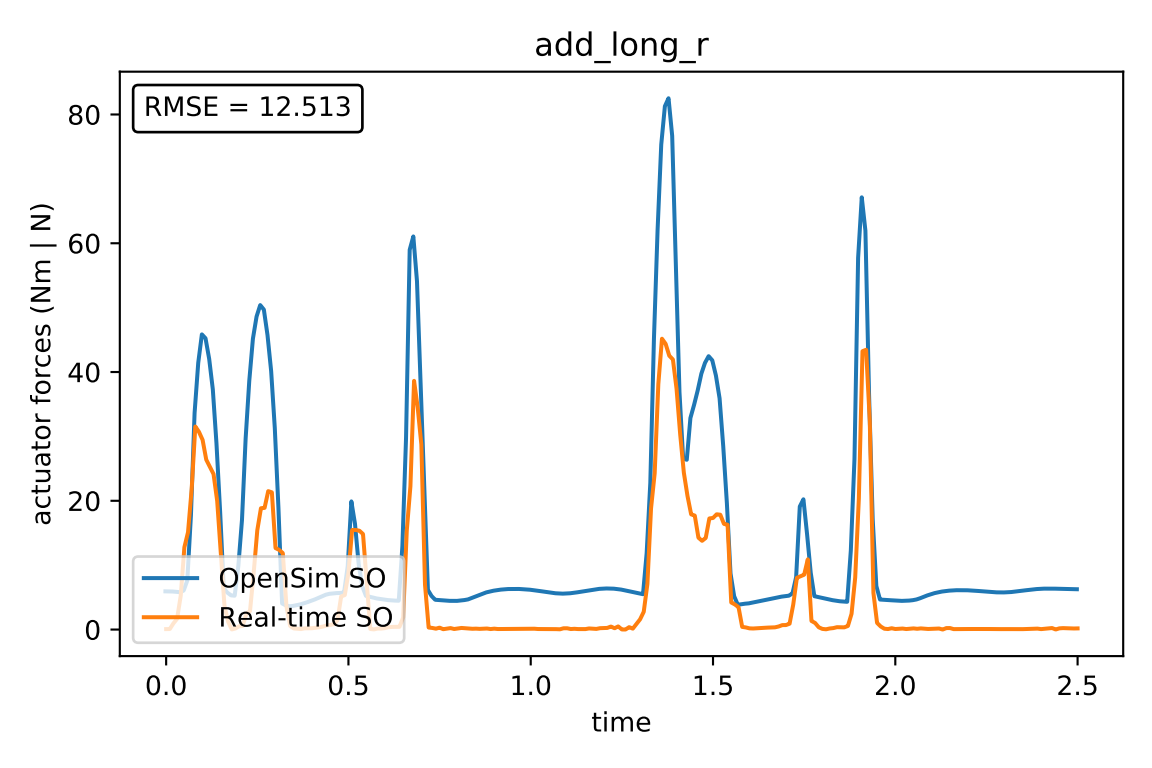

semimem_r
RMSE = 69.28
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
50
100
150
200
250
300
0.0
0.5
1.0
1.5
2.0
2.5

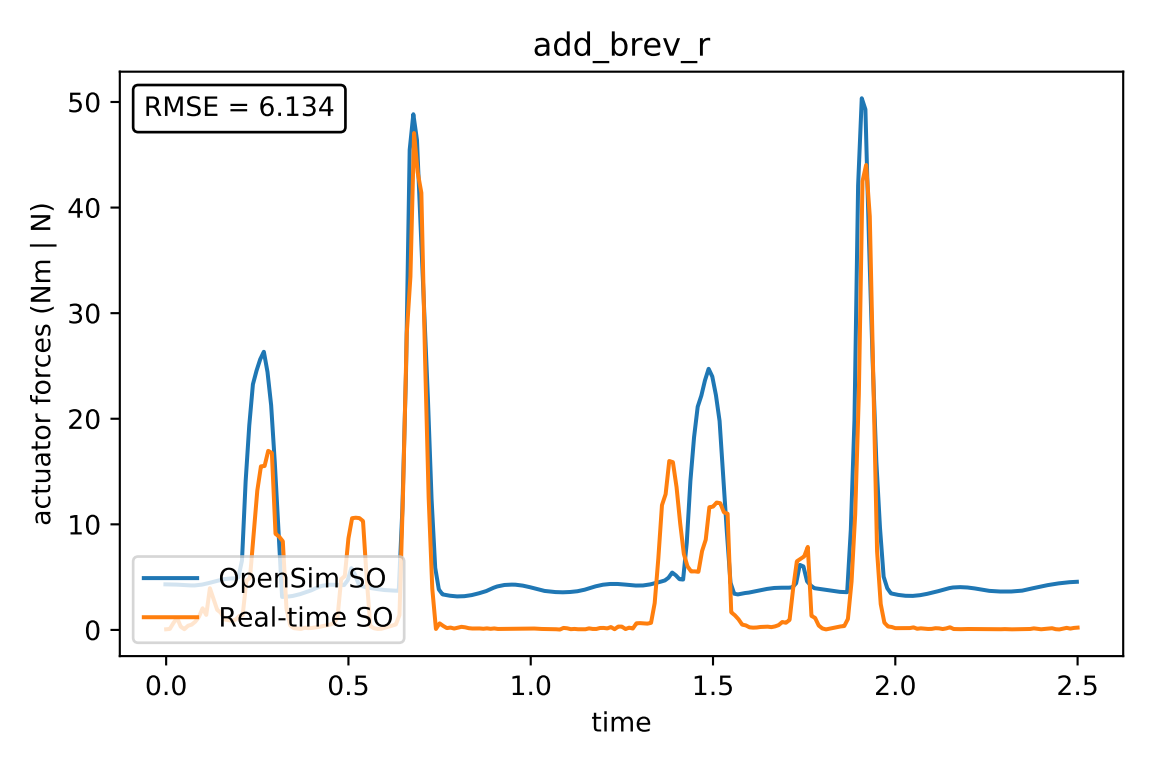

semiten_r
RMSE = 18.567
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

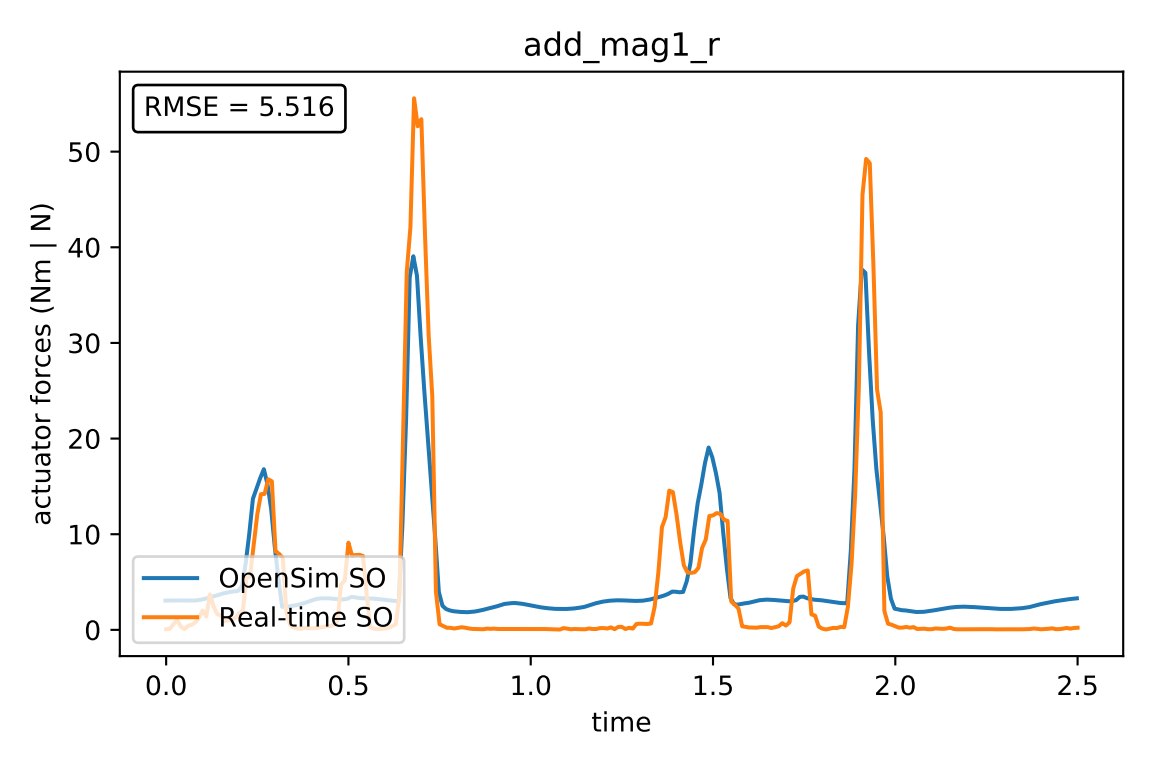

bifemlh_r
RMSE = 25.851
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0
2.5

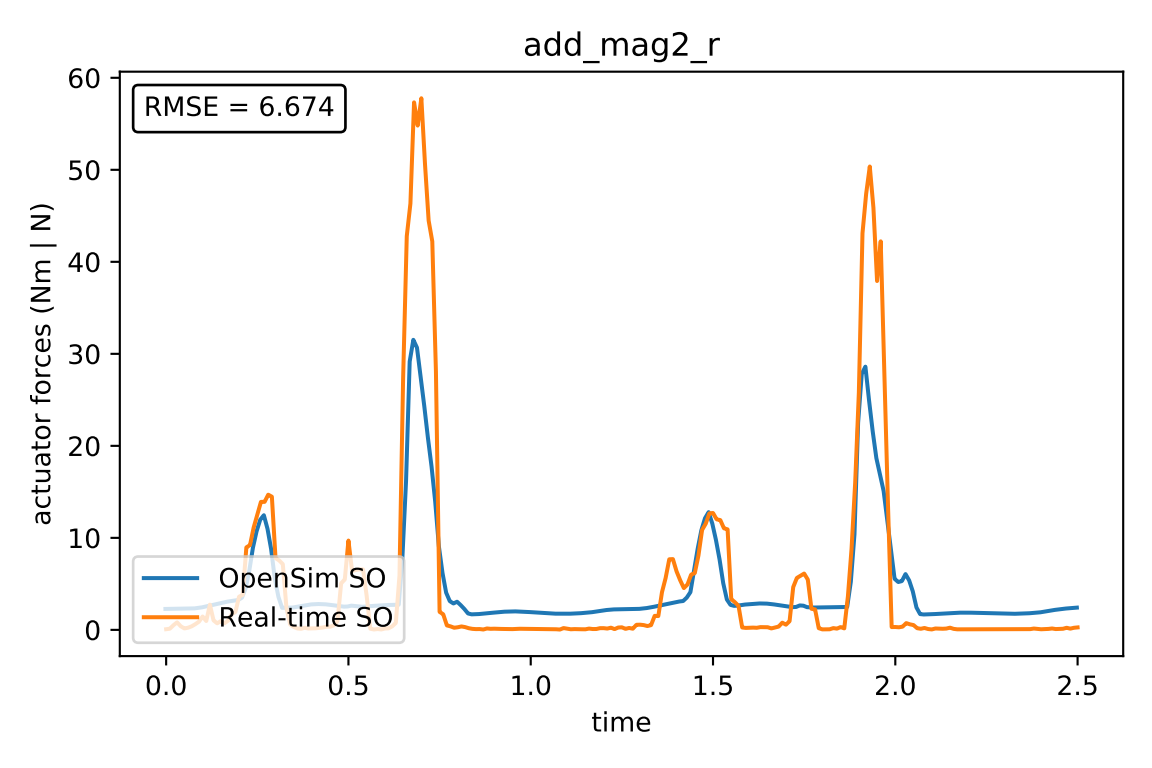

bifemsh_r
RMSE = 66.688
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
300
250
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5

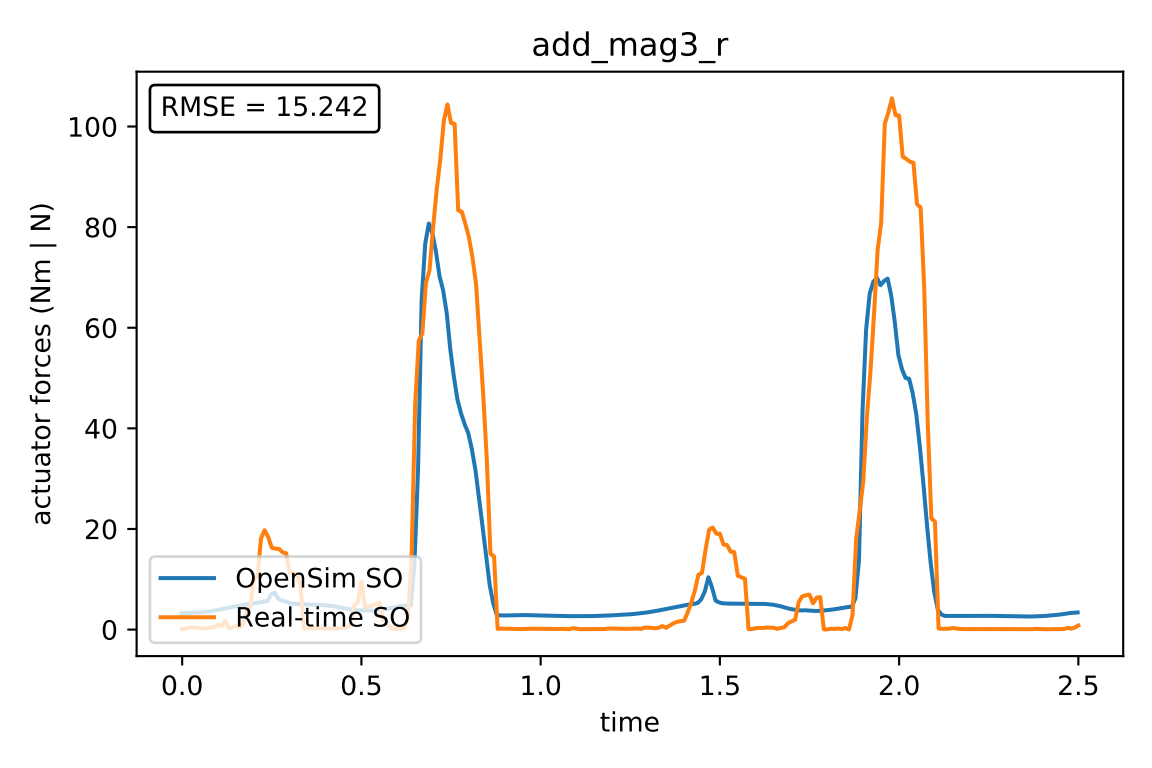

sar_r
RMSE = 31.695
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5

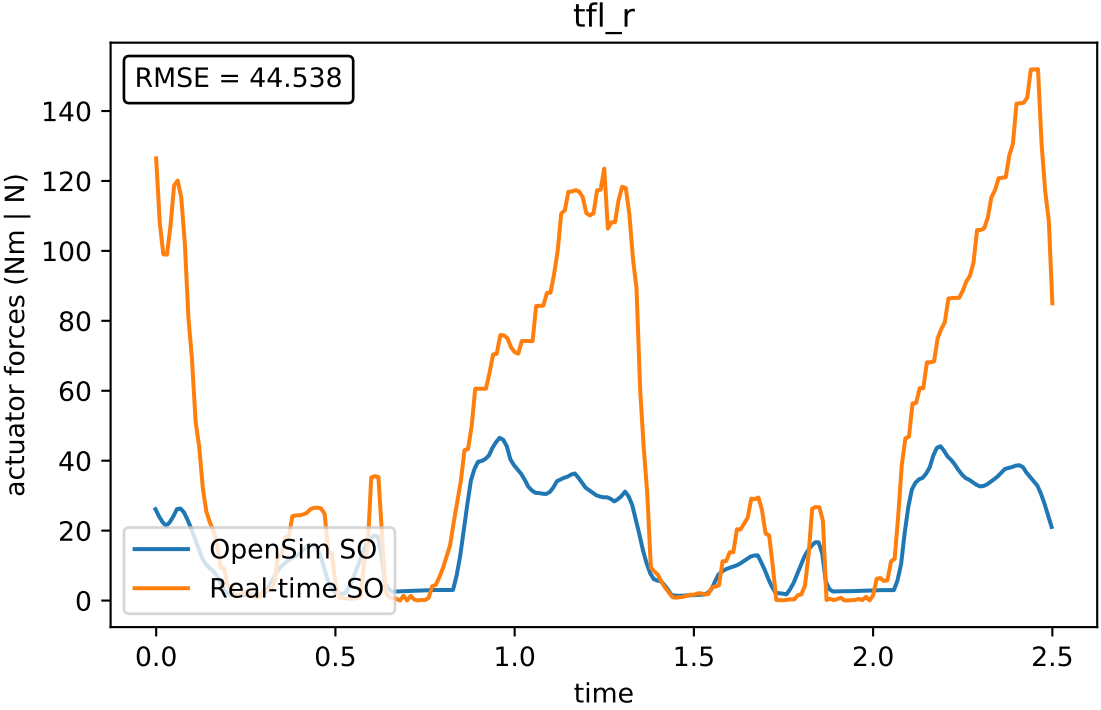

add_long_r
RMSE = 12.513
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5

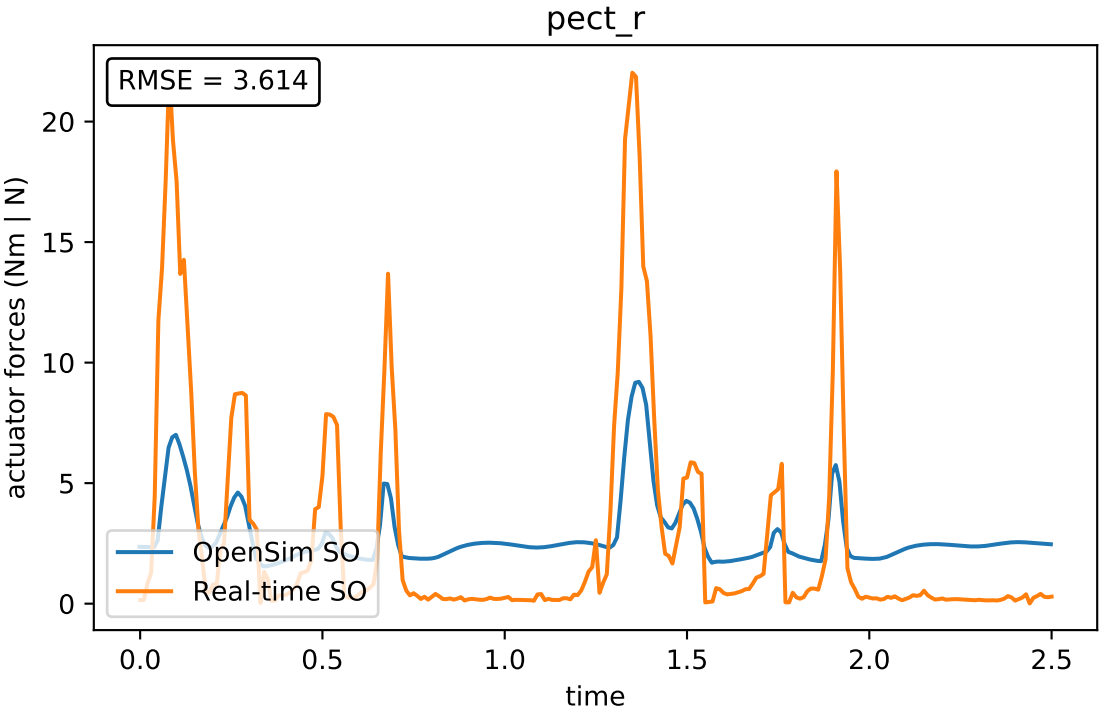

add_brev_r
RMSE = 6.134
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
0.0
0.5
1.0
1.5
2.0
2.5

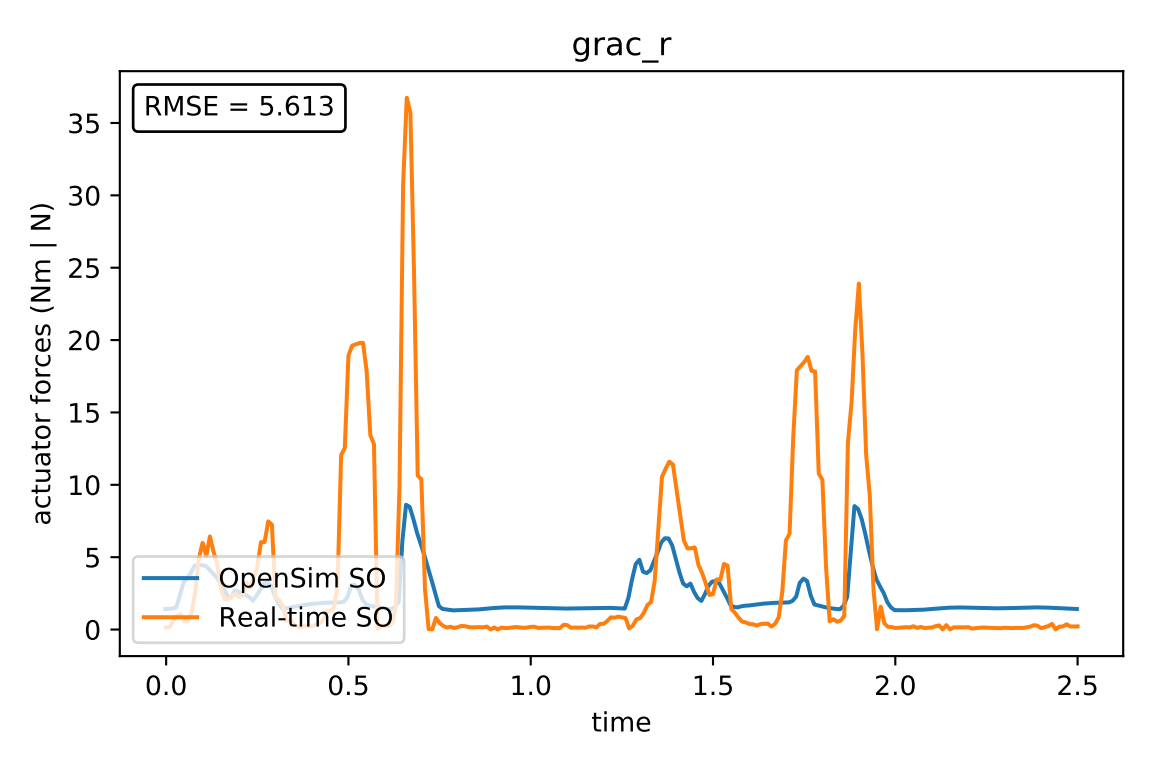

add_mag1_r
RMSE = 5.516
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
10
20
30
40
50
0.0
0.5
1.0
1.5
2.0
2.5

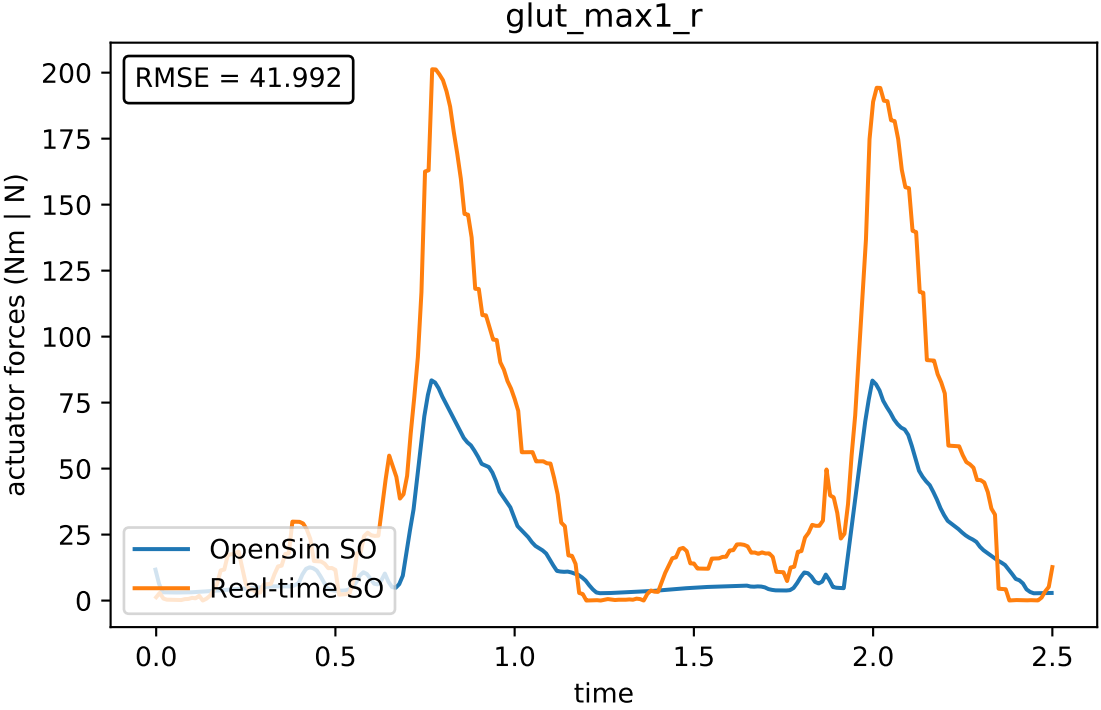

add_mag2_r
RMSE = 6.674
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
60
0.0
0.5
1.0
1.5
2.0
2.5

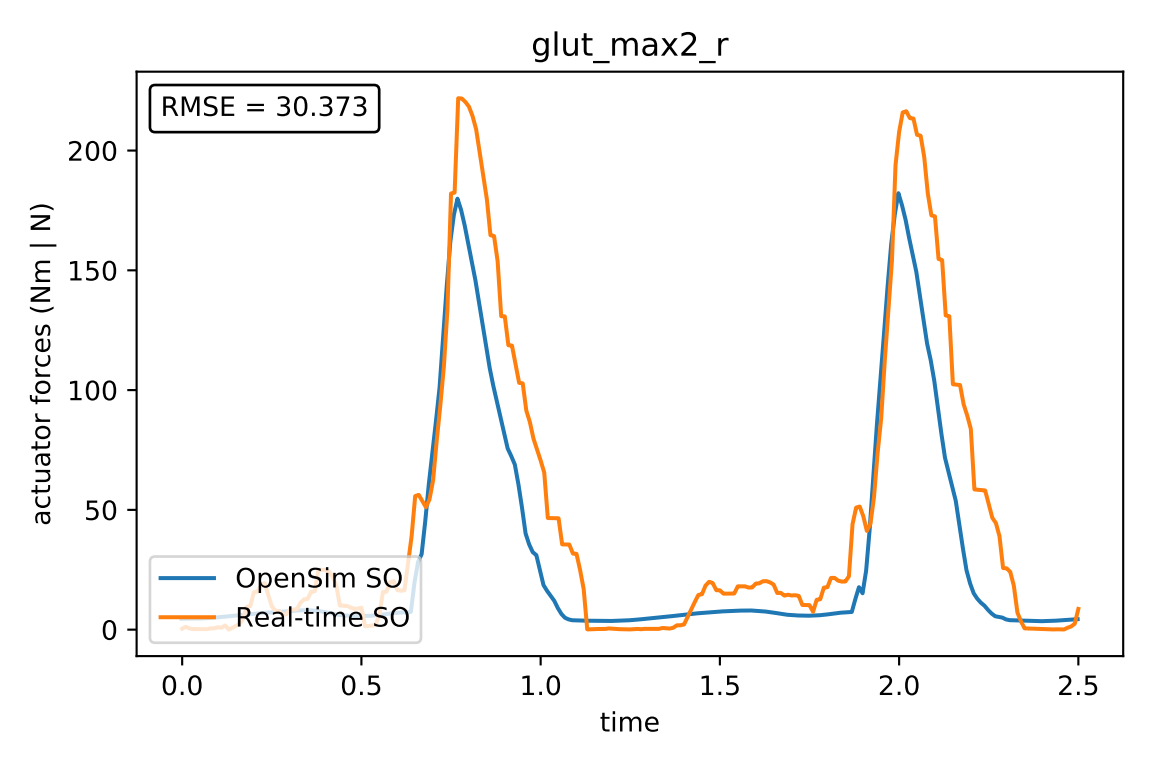

add_mag3_r
RMSE = 15.242
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

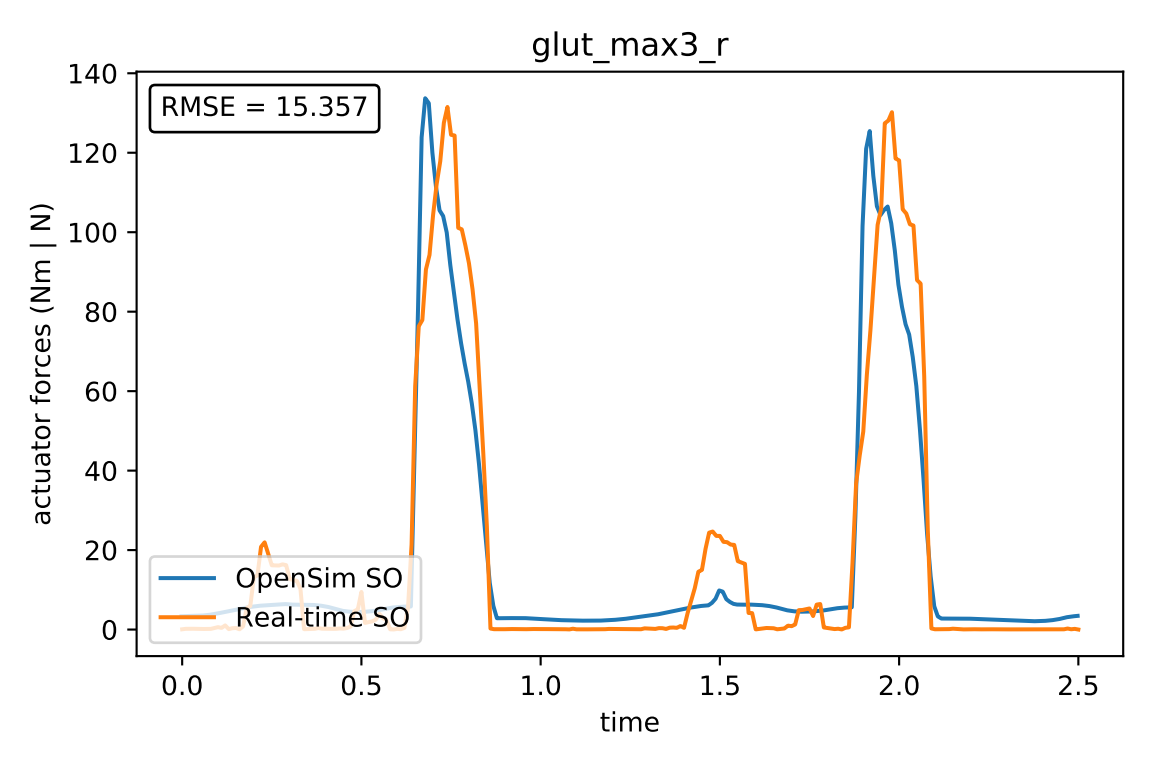

tfl_r
RMSE = 44.538
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
140
0.0
0.5
1.0
1.5
2.0
2.5

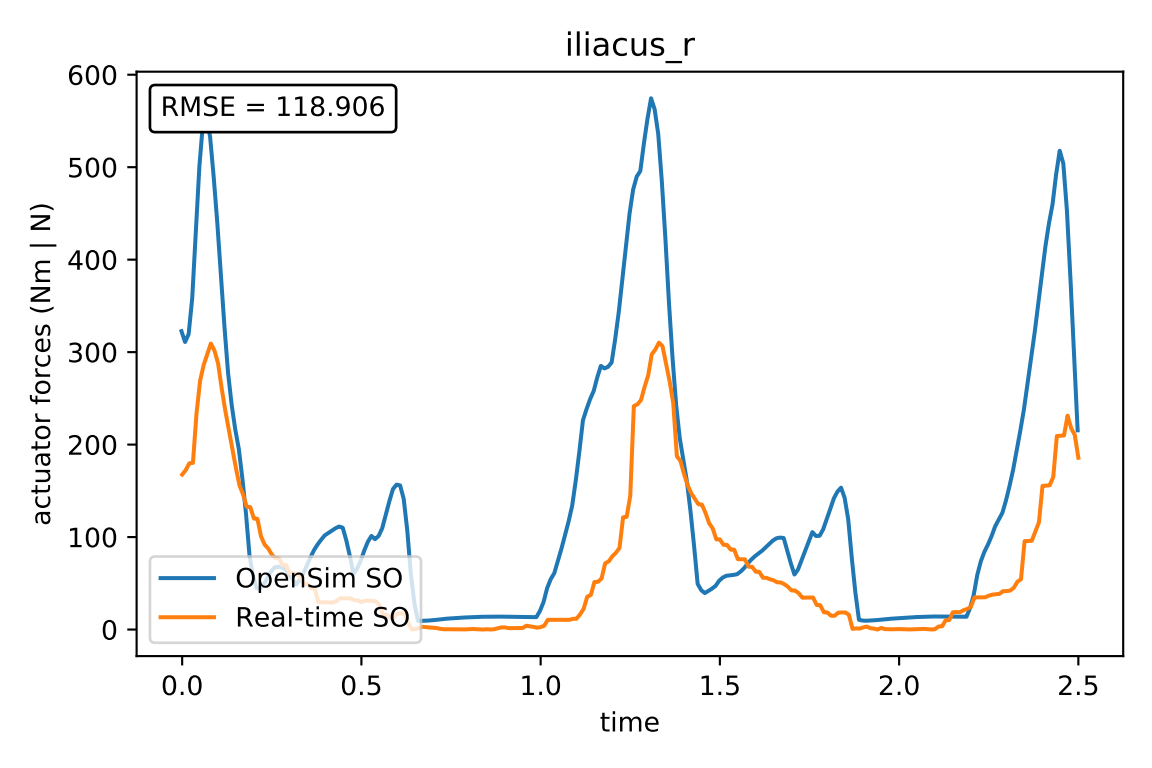

pect_r
RMSE = 3.614
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
5
10
15
20
0.0
0.5
1.0
1.5
2.0
2.5

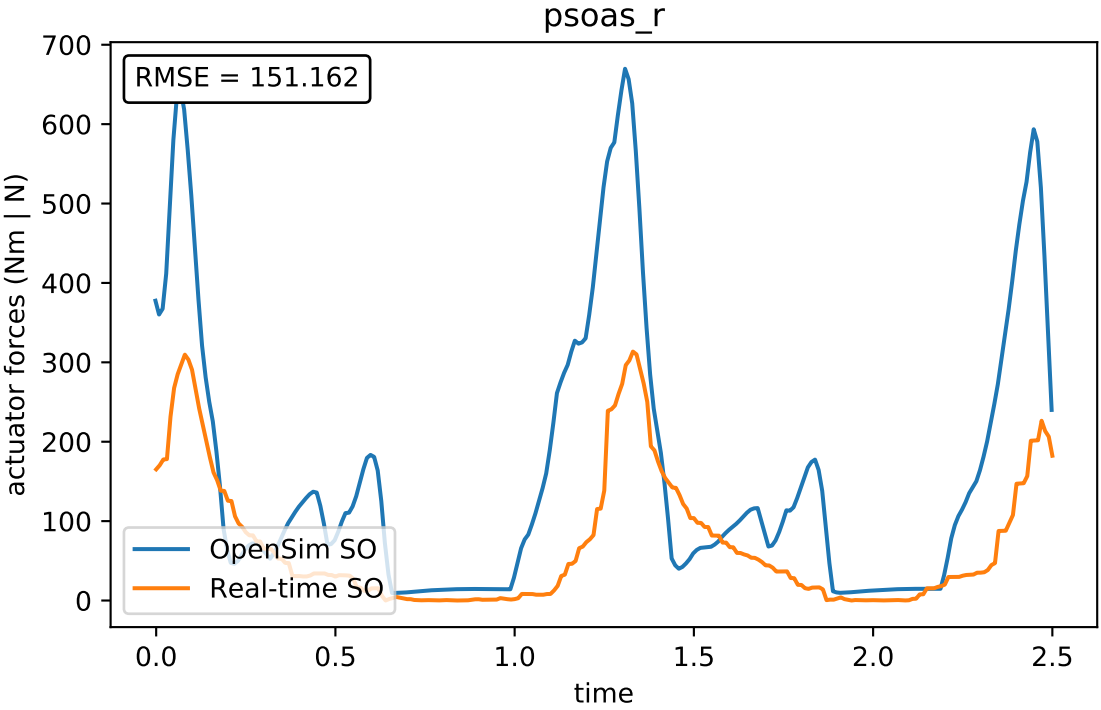

grac_r
RMSE = 5.613
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
5
10
15
20
25
30
35
0.0
0.5
1.0
1.5
2.0
2.5

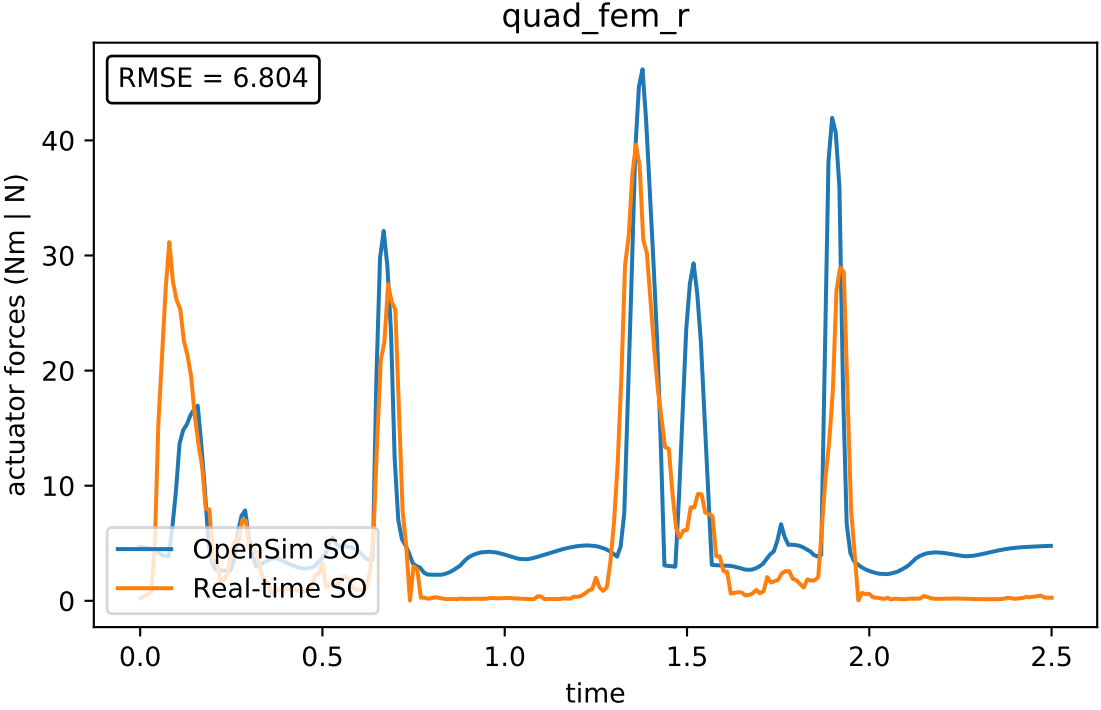

glut_max1_r
RMSE = 41.992
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
25
50
75
100
125
150
175
200
0.0
0.5
1.0
1.5
2.0
2.5

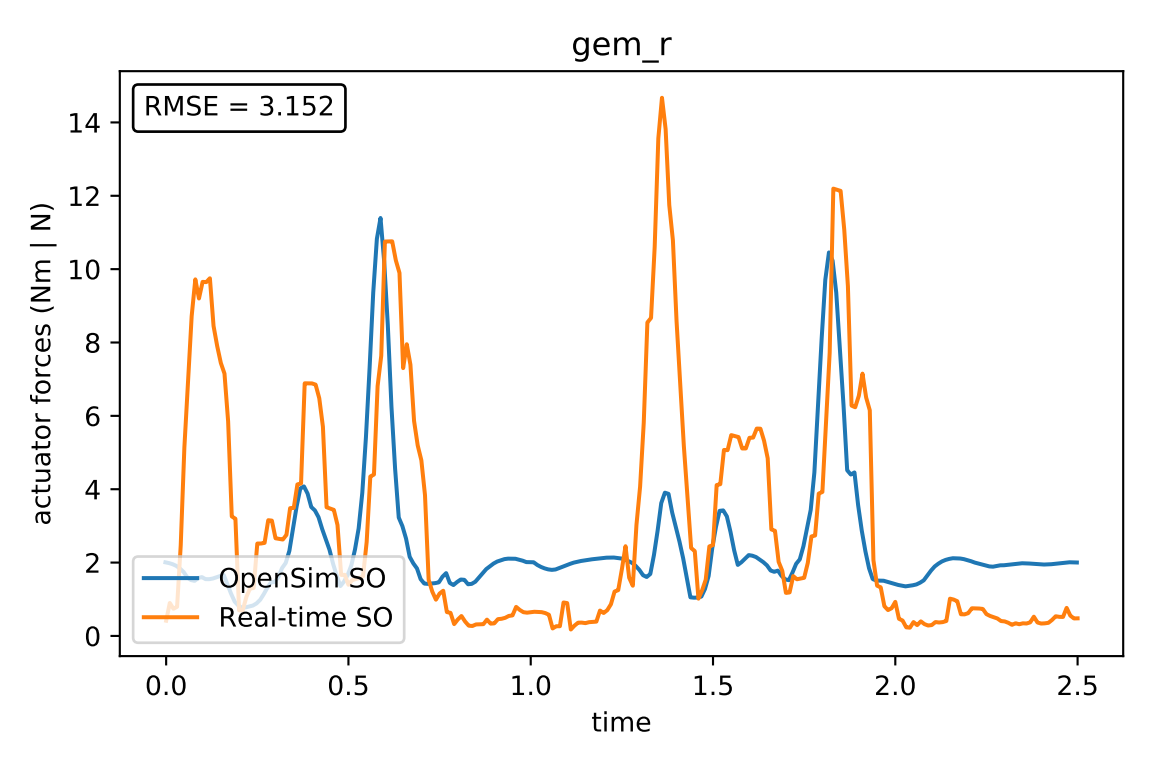

glut_max2_r
RMSE = 30.373
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0
2.5

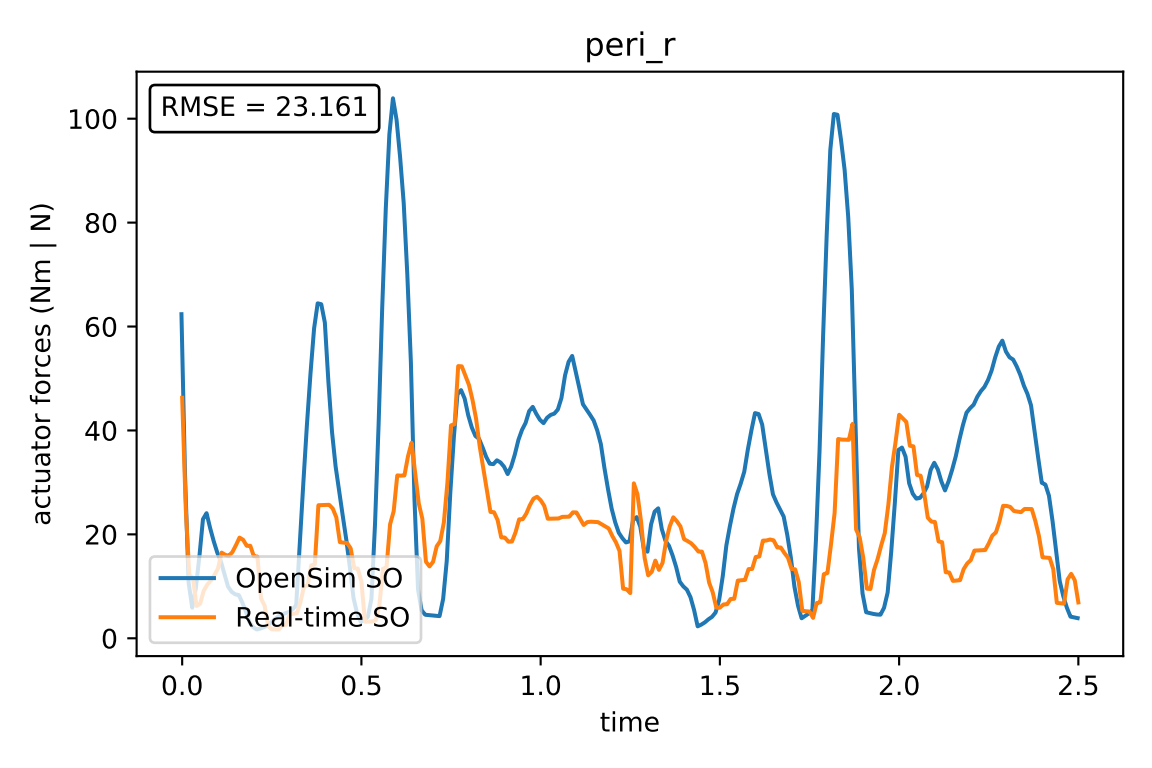

glut_max3_r
RMSE = 15.357
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
140
0.0
0.5
1.0
1.5
2.0
2.5

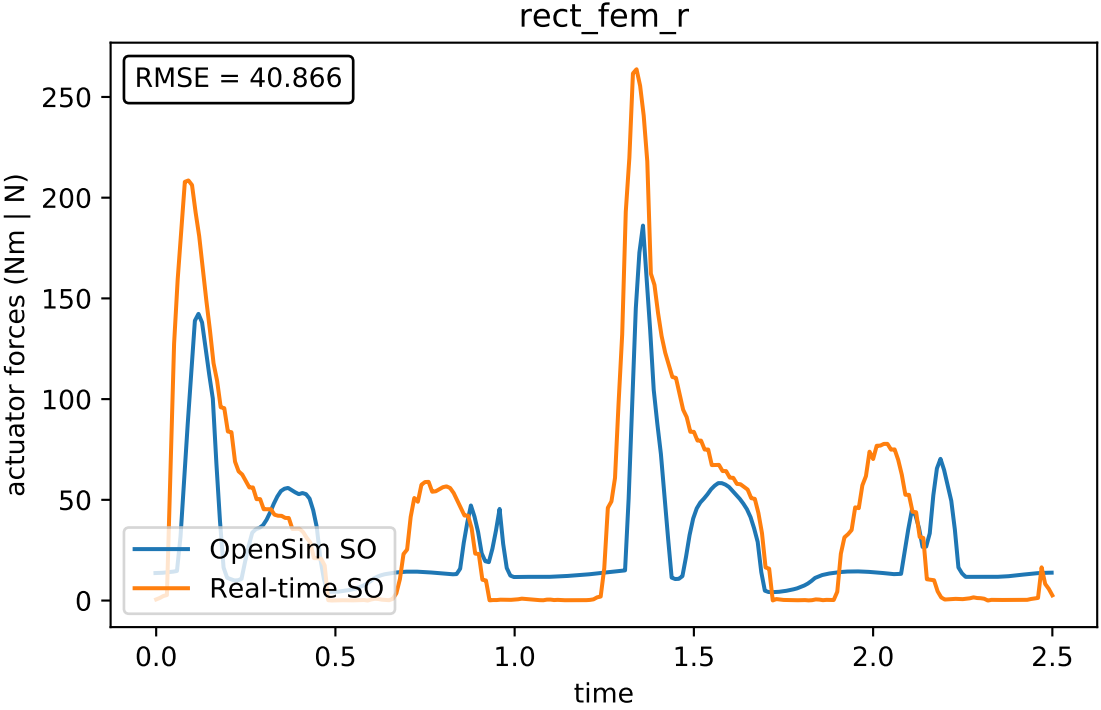

iliacus_r
RMSE = 118.906
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
600
500
400
300
200
100
0
0.0
0.5
1.0
1.5
2.0
2.5

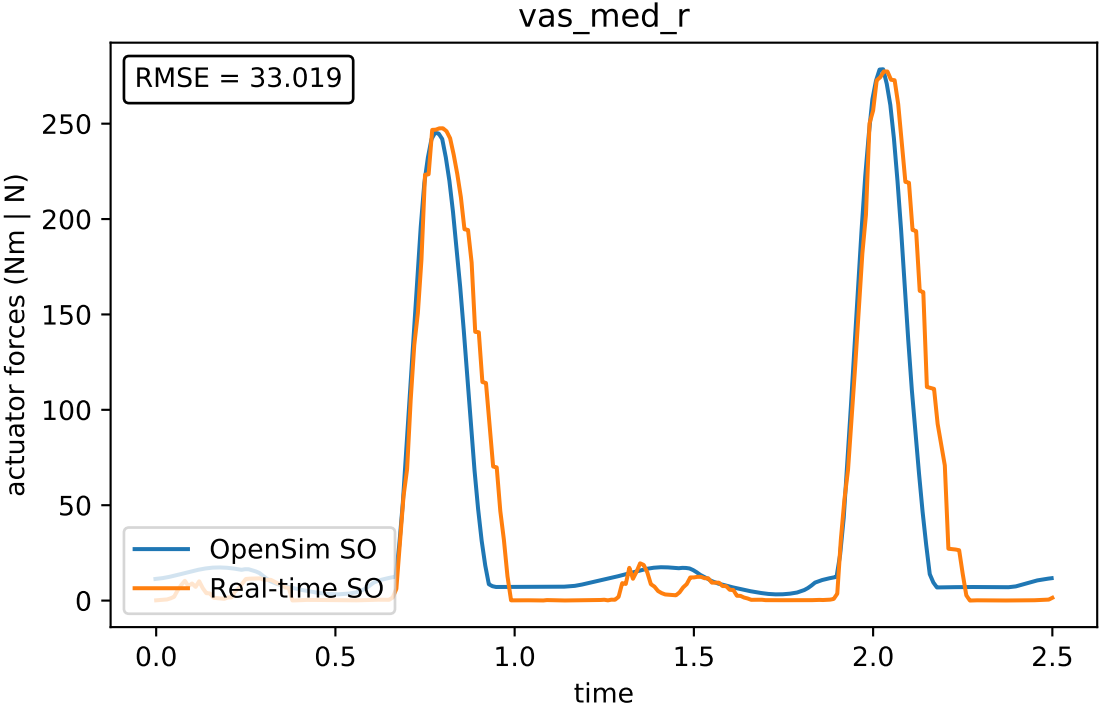

psoas_r
RMSE = 151.162
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
700
600
500
400
300
200
100
0
0.0
0.5
1.0
1.5
2.0
2.5

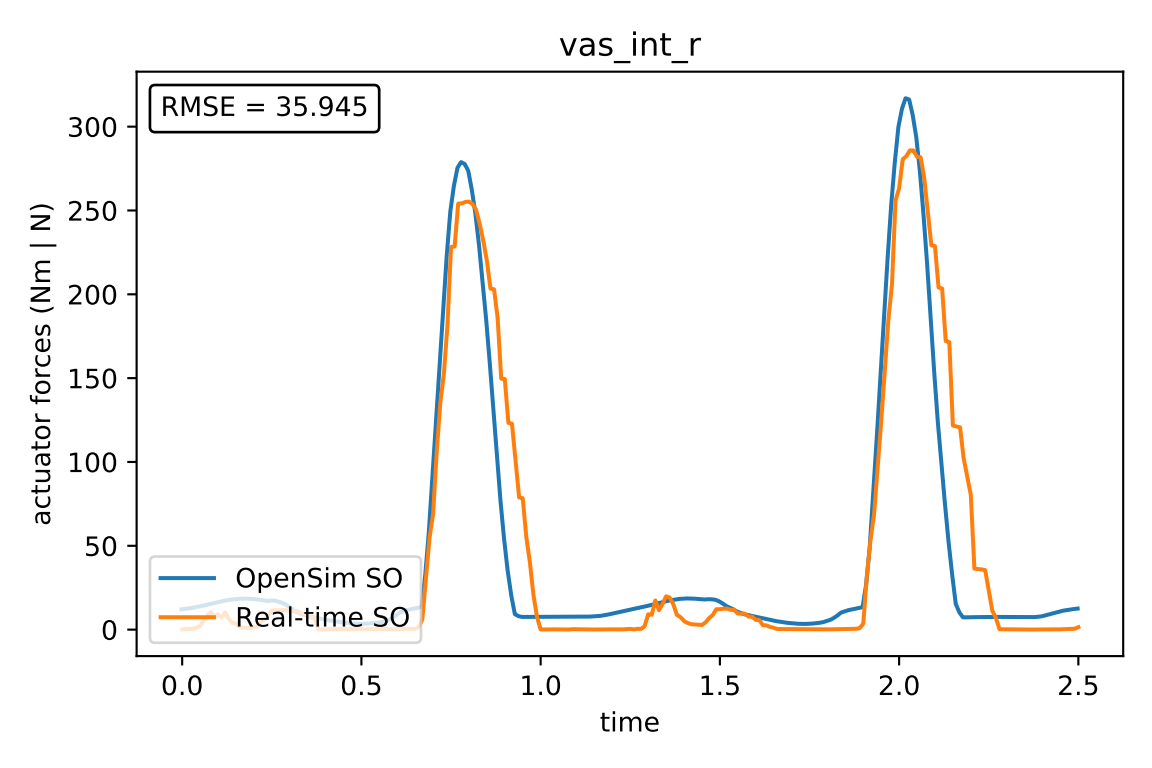

quad_fem_r
RMSE = 6.804
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
0.0
0.5
1.0
1.5
2.0
2.5

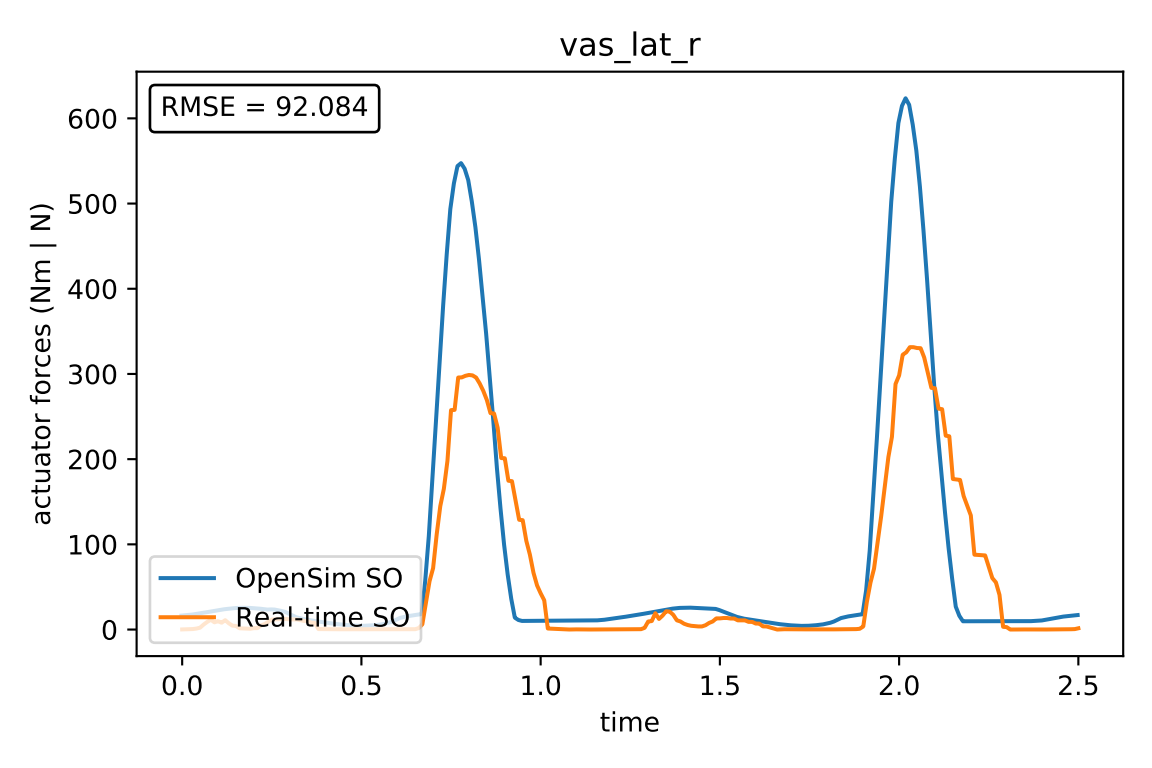

gem_r
RMSE = 3.152
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
2
4
6
8
10
12
14
0.0
0.5
1.0
1.5
2.0
2.5

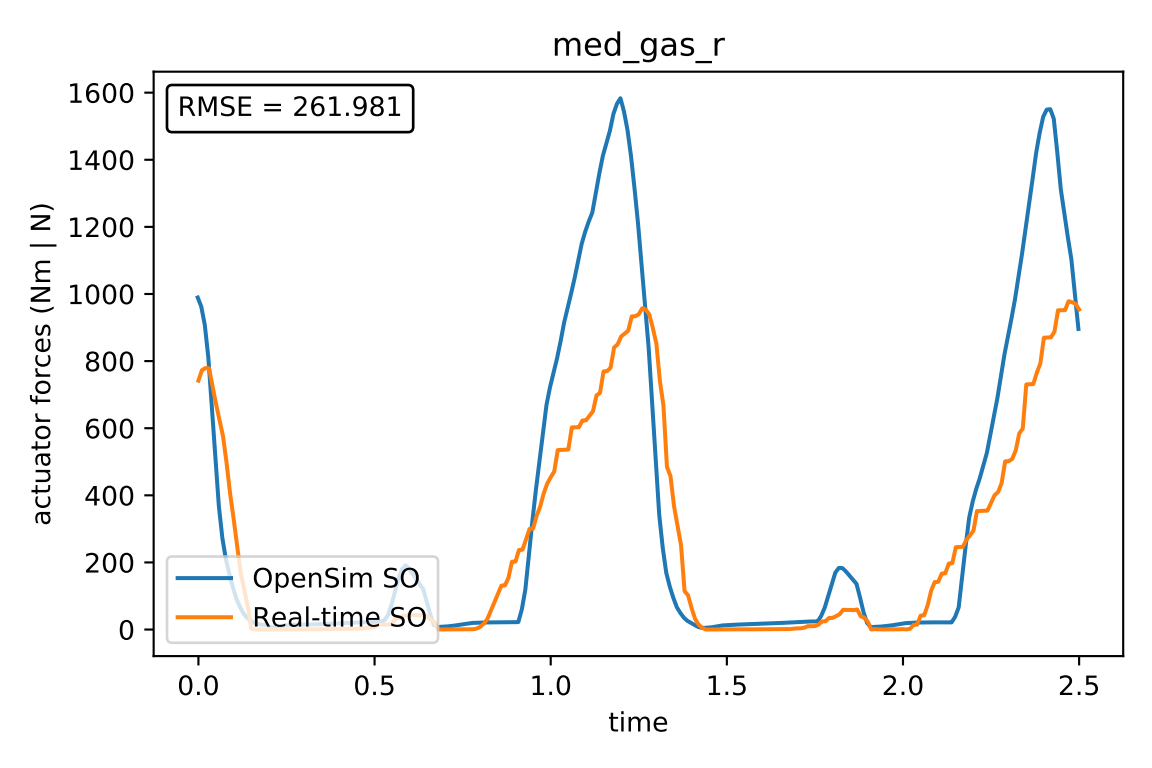

peri_r
RMSE = 23.161
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

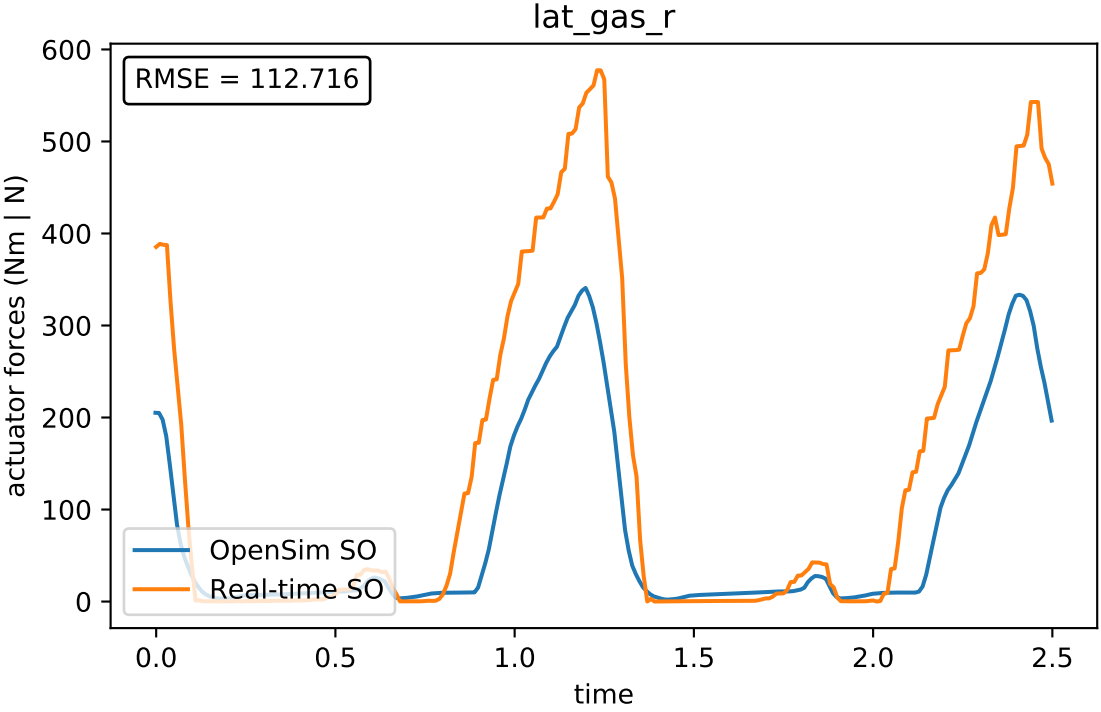

rect_fem_r
RMSE = 40.866
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5

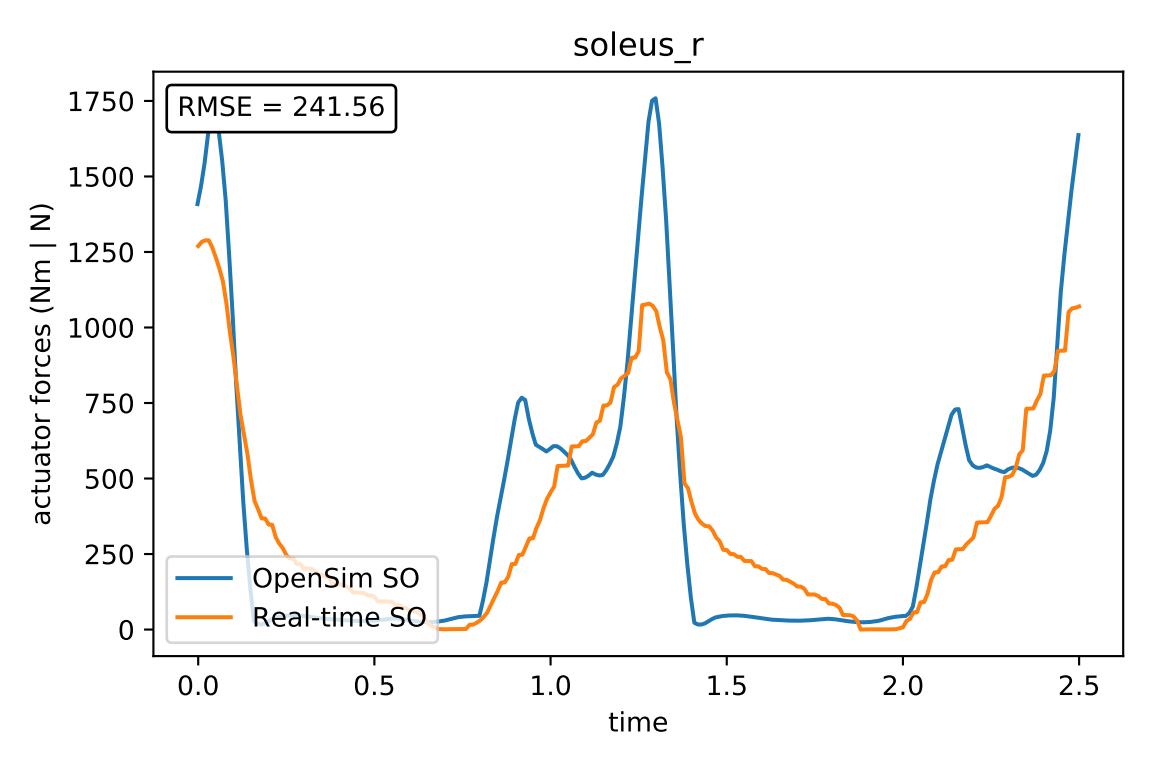

vas_med_r
RMSE = 33.019
actuator forces (Nm | N)
250
200
150
100
50
0
OpenSim SO
Real-time SO
0.0
0.5
1.0
1.5
2.0
2.5
time


vas_int_r
RMSE = 35.945
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
50
100
150
200
250
300
0.0
0.5
1.0
1.5
2.0
2.5


vas_lat_r
RMSE = 92.084
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
100
200
300
400
500
600
0.0
0.5
1.0
1.5
2.0
2.5


med_gas_r
RMSE = 261.981
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
200
400
600
800
1000
1200
1400
1600
0.0
0.5
1.0
1.5
2.0
2.5


lat_gas_r
RMSE = 112.716
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
600
500
400
300
200
100
0
0.0
0.5
1.0
1.5
2.0
2.5


soleus_r
RMSE = 241.56
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
1750
1500
1250
1000
750
500
250
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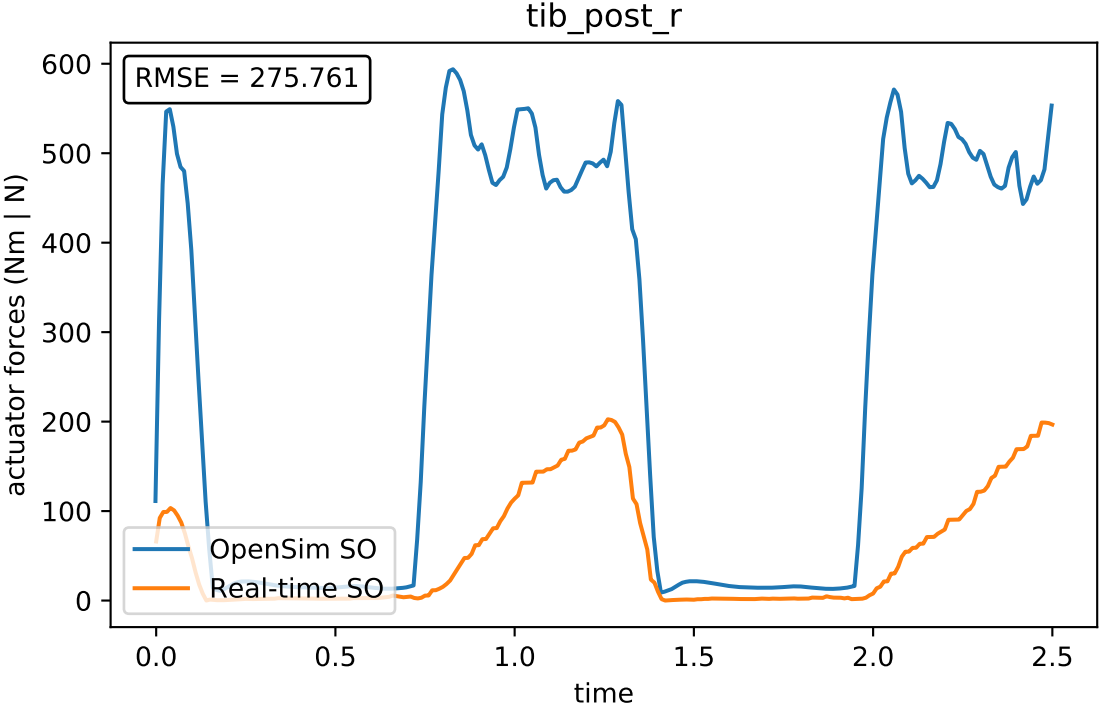
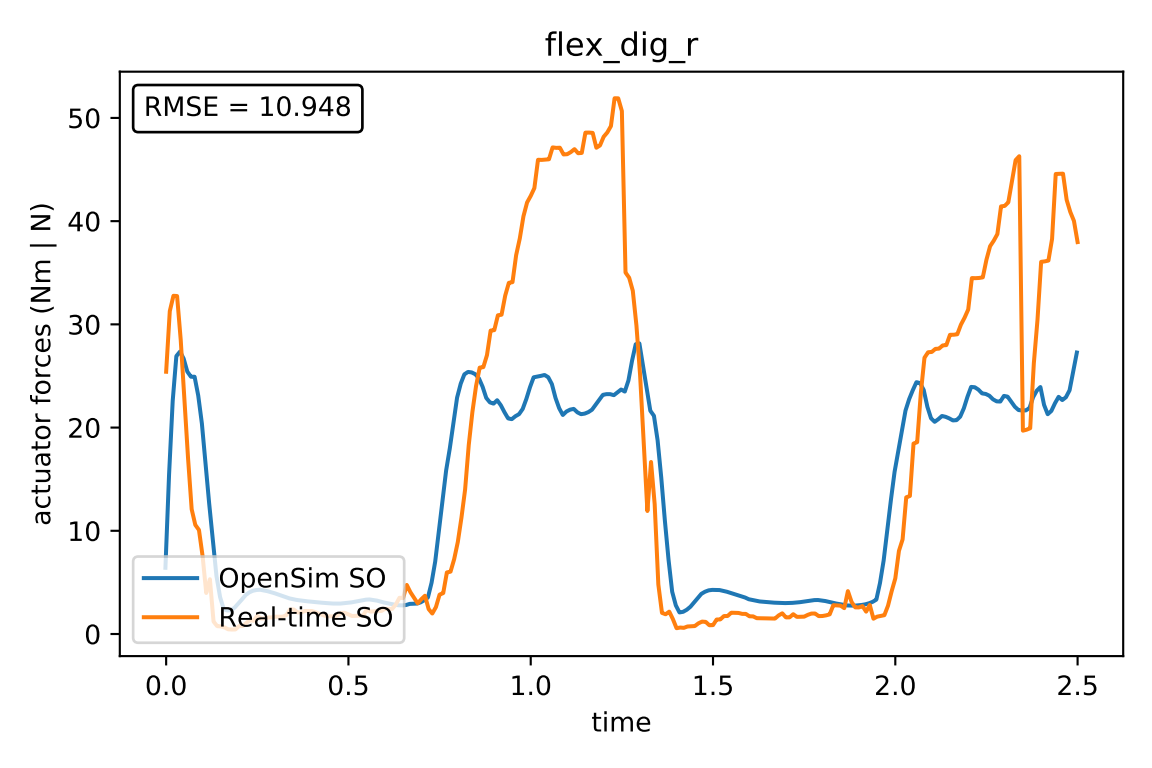
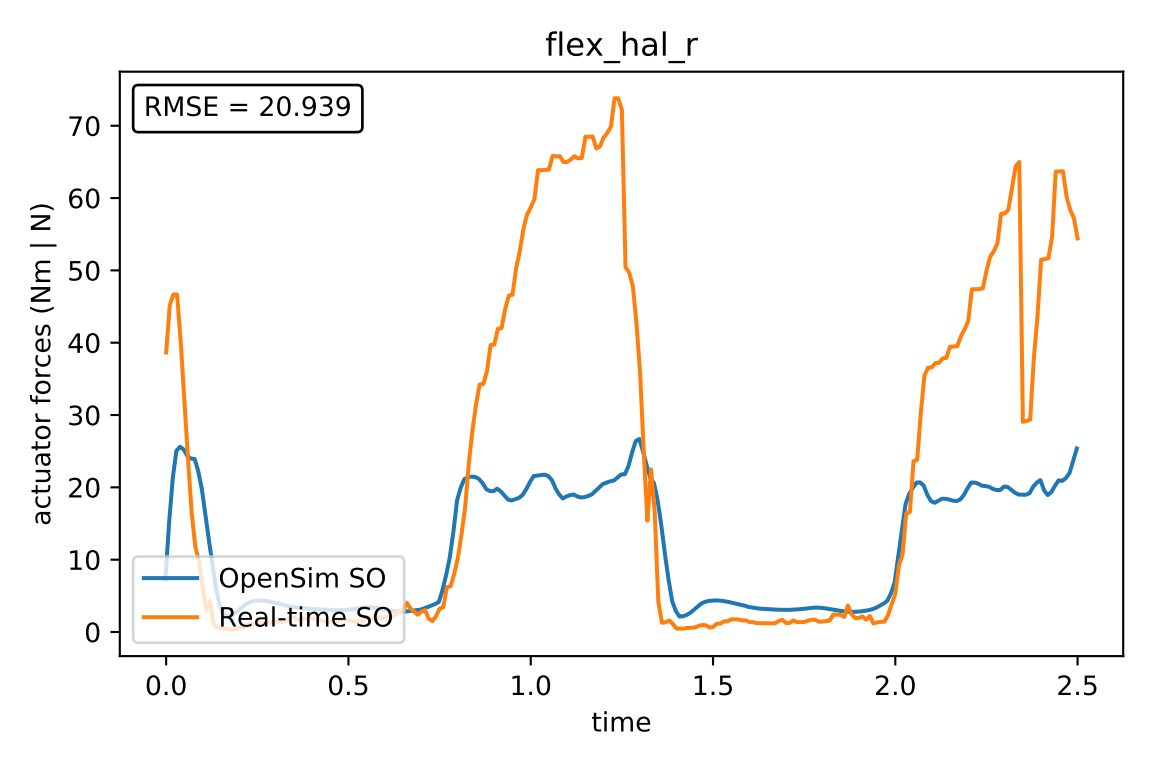
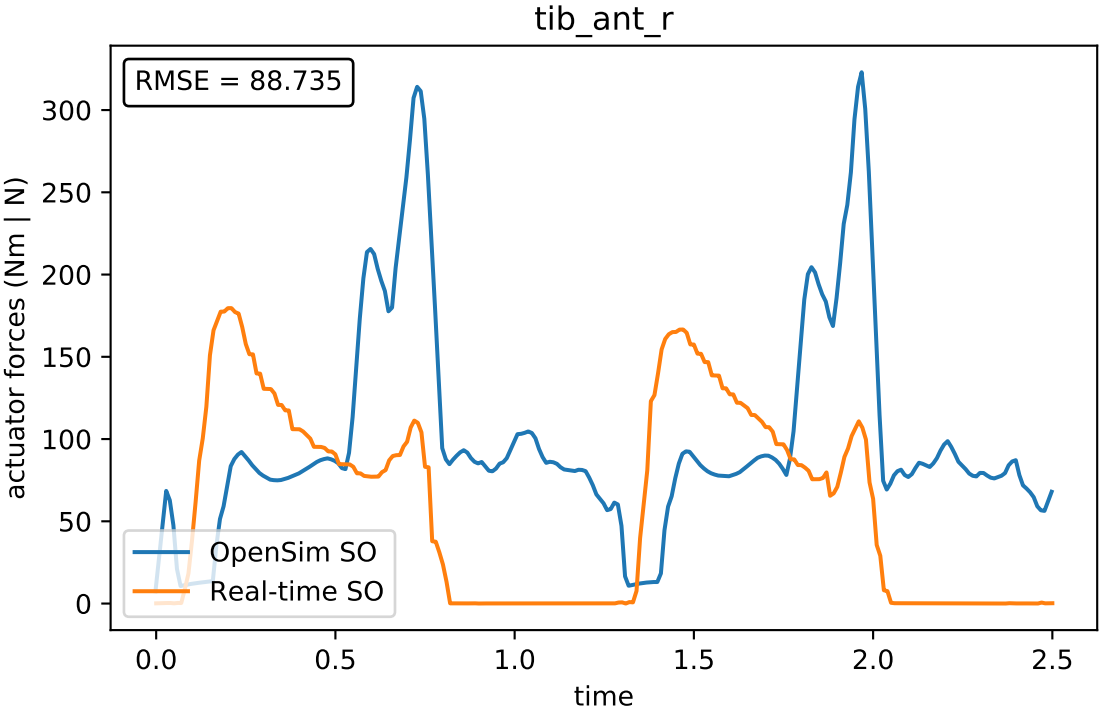
0.5
1.0
1.5
2.0
2.5


tib_post_r
RMSE = 275.761
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
600
0.0
0.5
1.0
1.5
2.0
2.5


flex_dig_r
RMSE = 10.948
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
0.0
0.5
1.0
1.5
2.0
2.5


flex_hal_r
RMSE = 20.939
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
60
70
0.0
0.5
1.0
1.5
2.0
2.5


tib_ant_r
RMSE = 88.735
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
300
250
200
150
100
50
0
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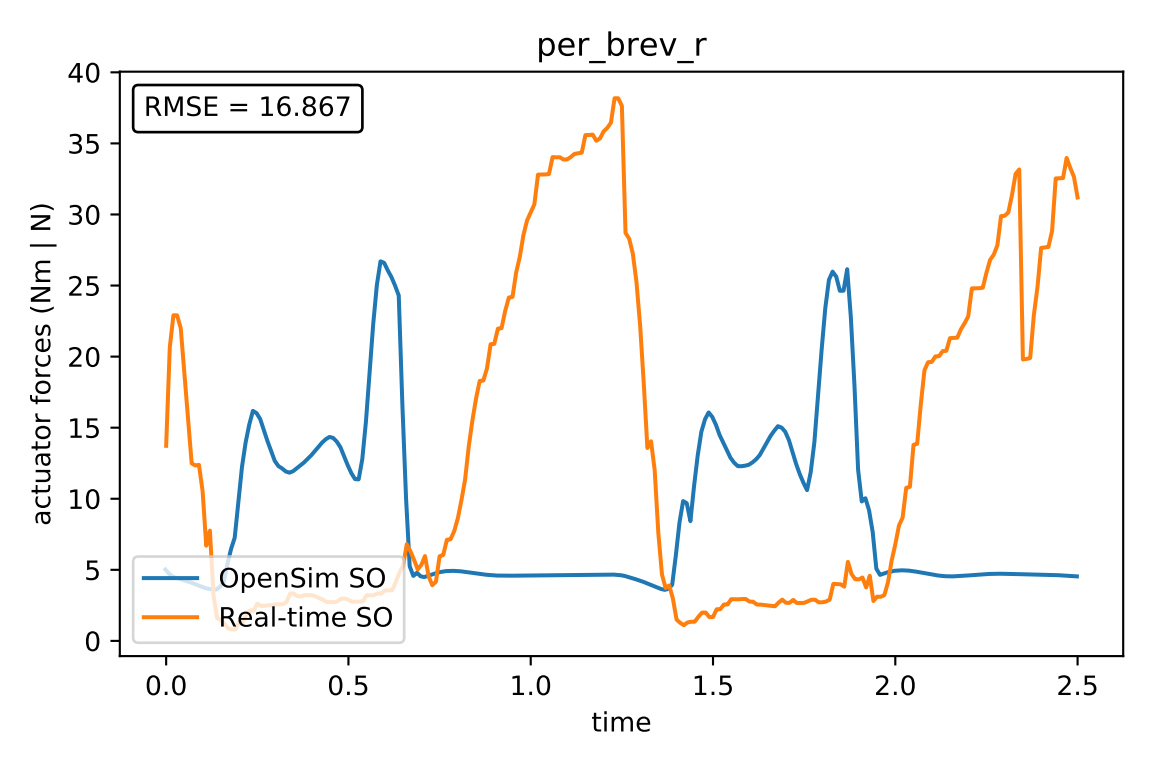
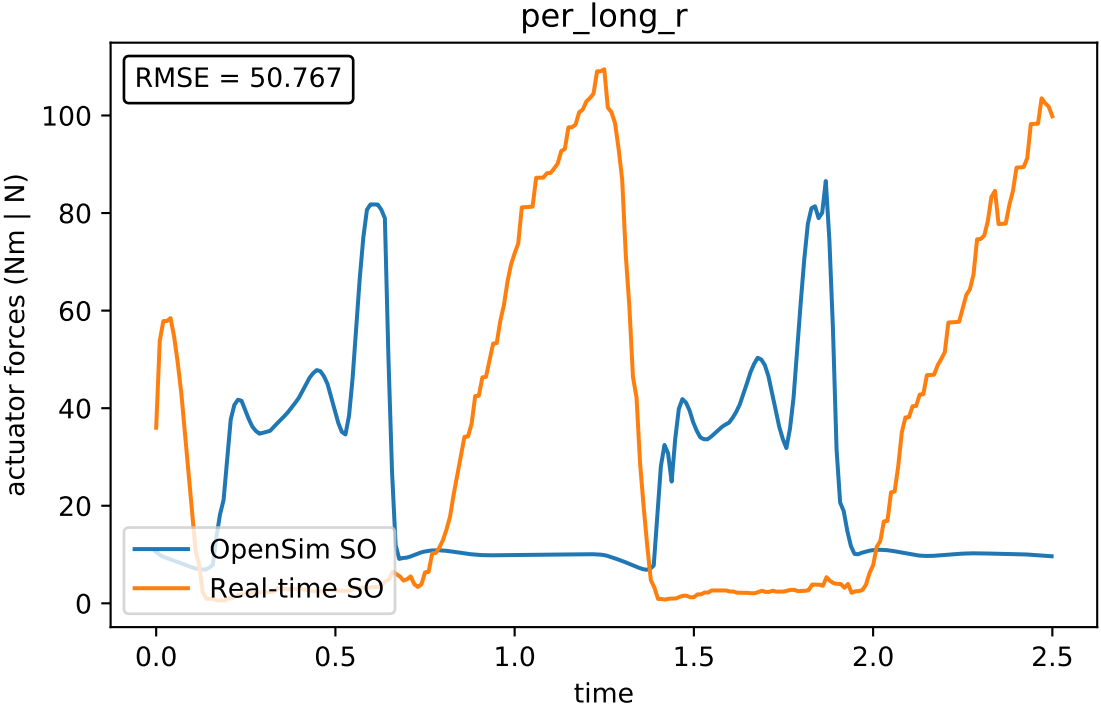
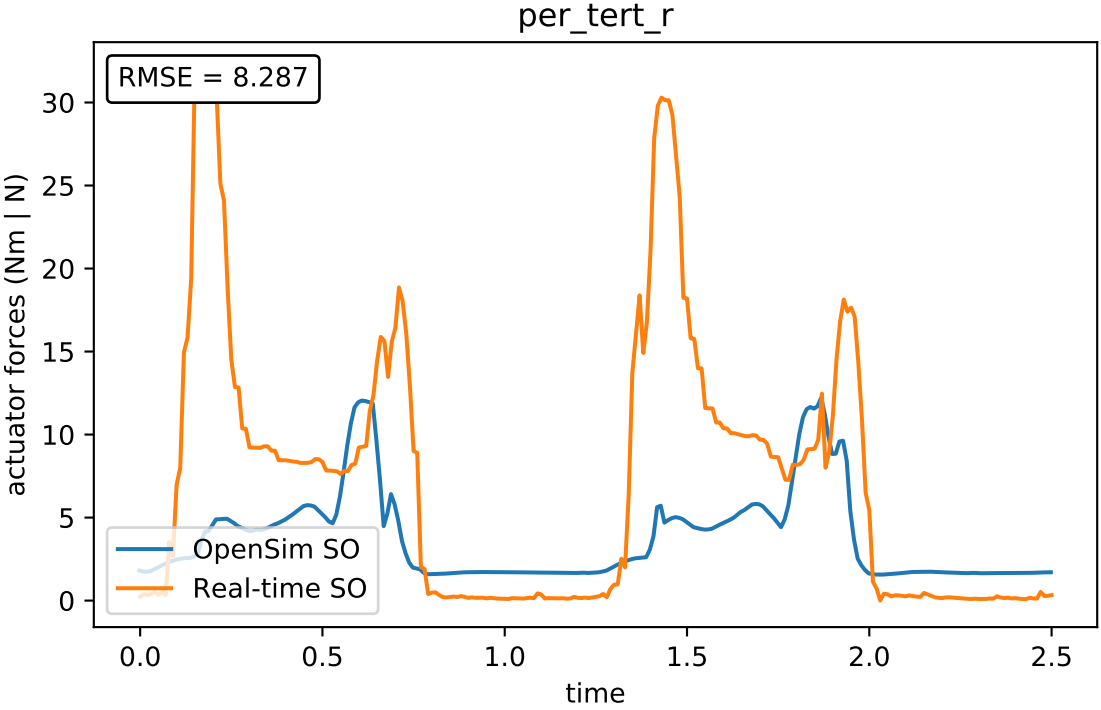
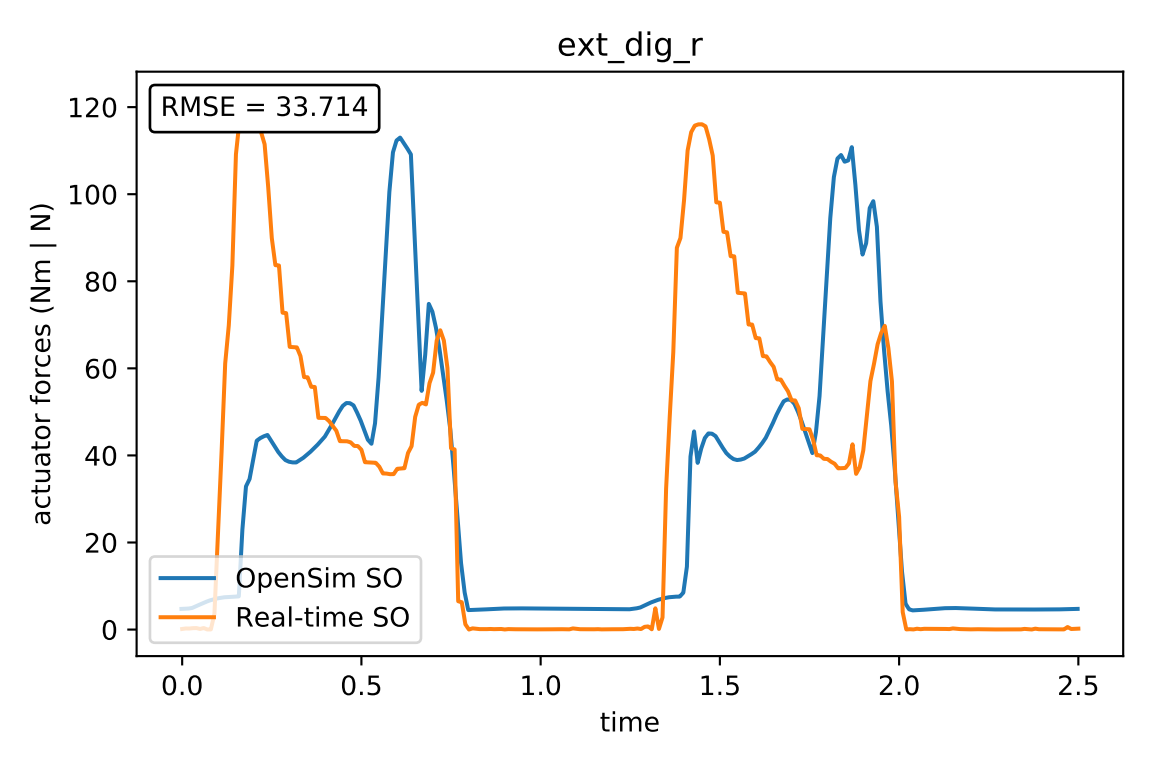
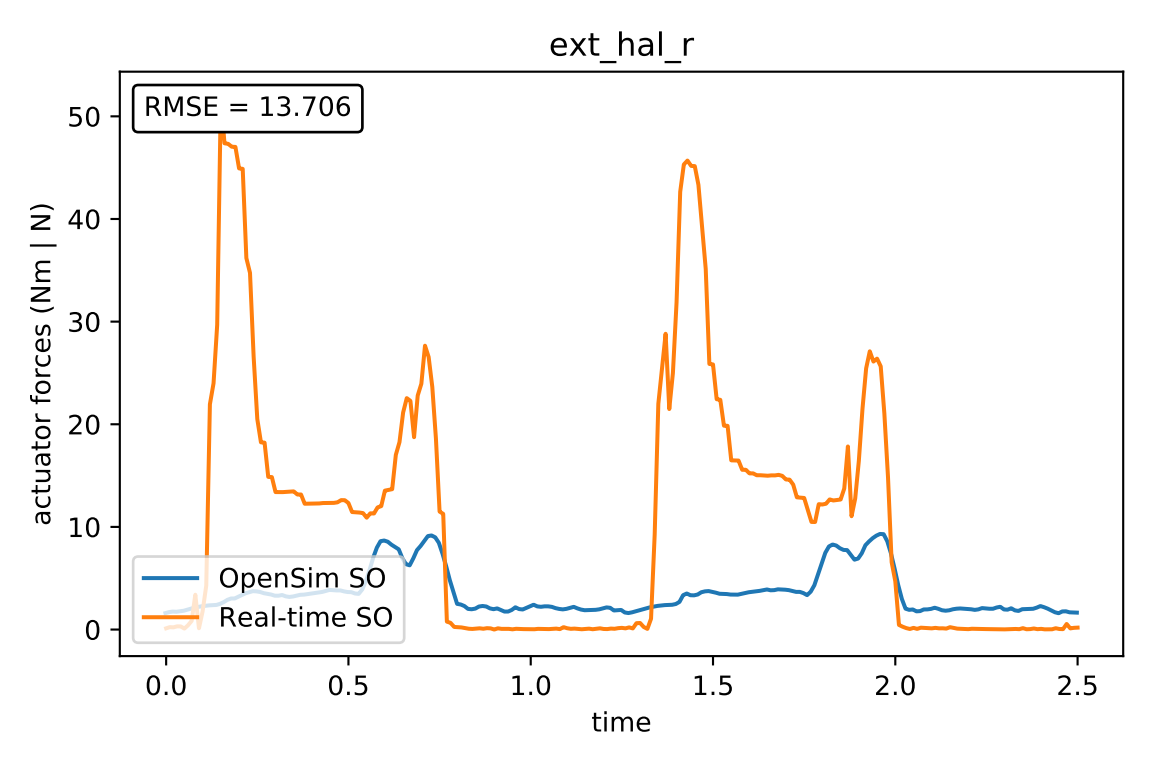
0.5
1.0
1.5
2.0
2.5


per_brev_r
RMSE = 16.867
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
5
10
15
20
25
30
35
40
0.0
0.5
1.0
1.5
2.0
2.5


per_long_r
RMSE = 50.767
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5


per_tert_r
RMSE = 8.287
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
5
10
15
20
25
30
0.0
0.5
1.0
1.5
2.0
2.5


ext_dig_r
RMSE = 33.714
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5


ext_hal_r
RMSE = 13.706
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
0.0
0.5
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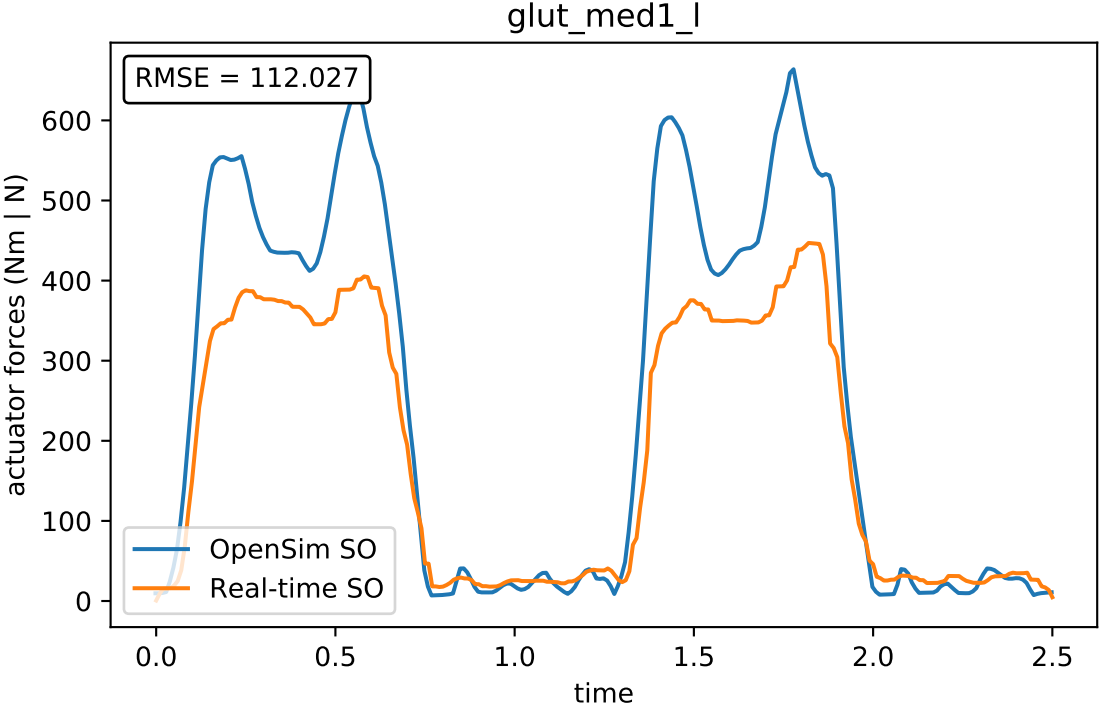
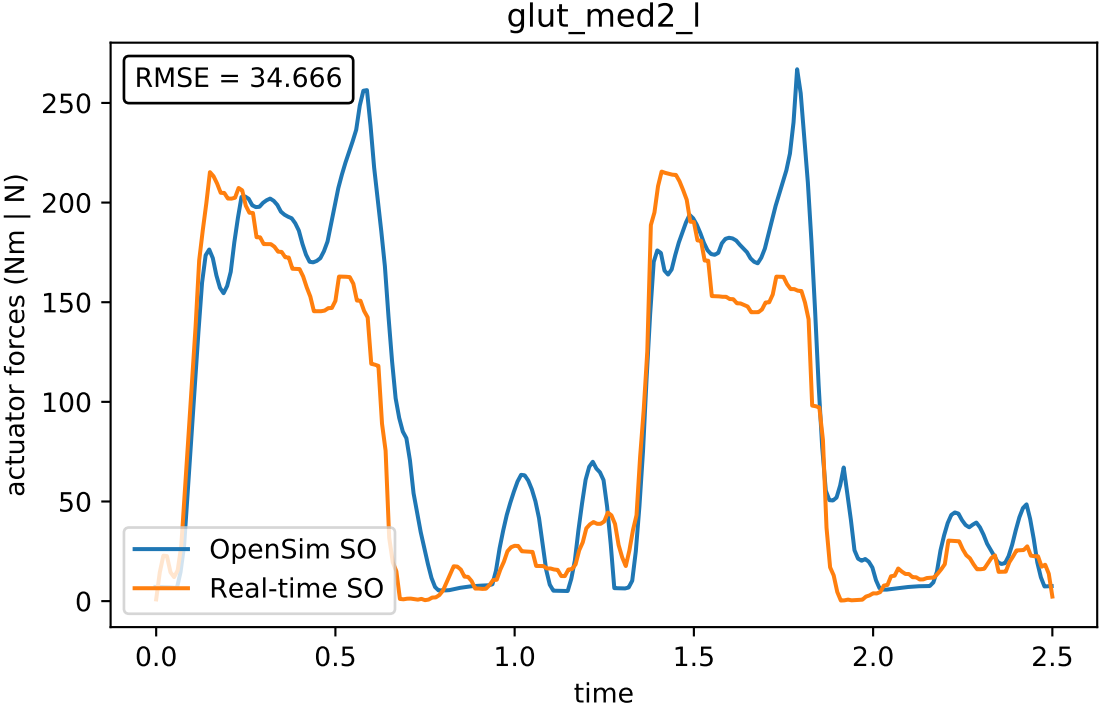
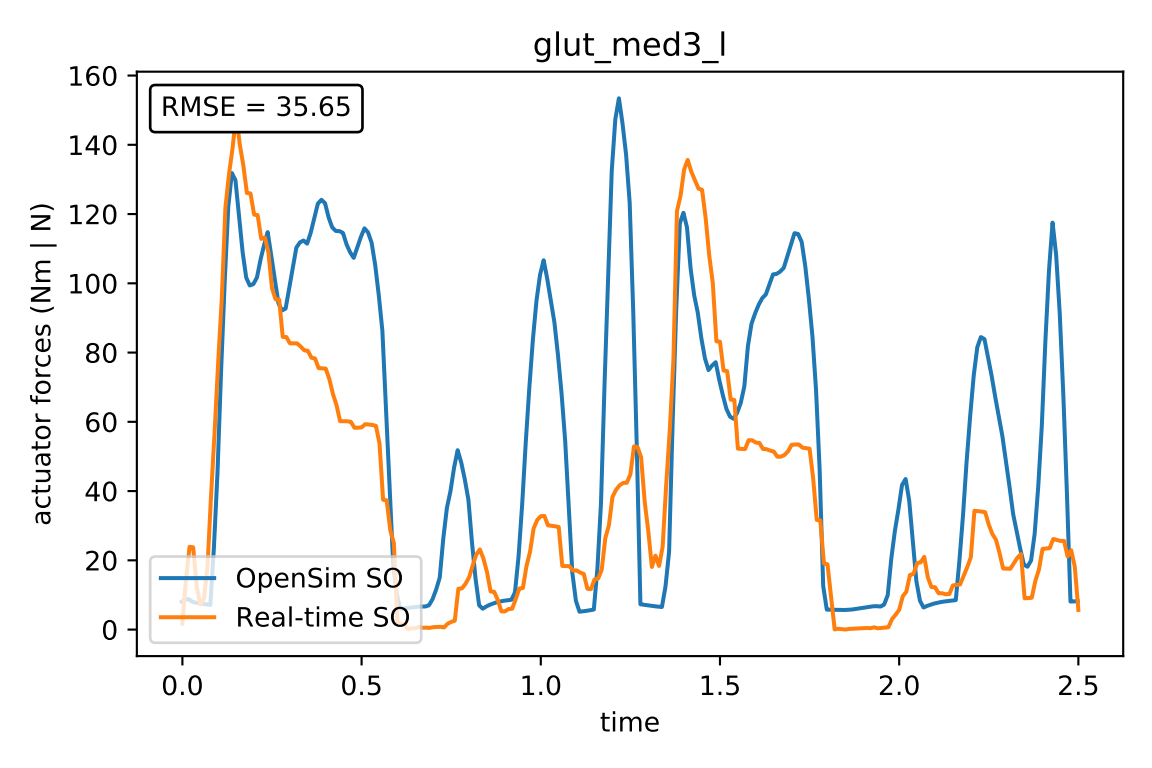
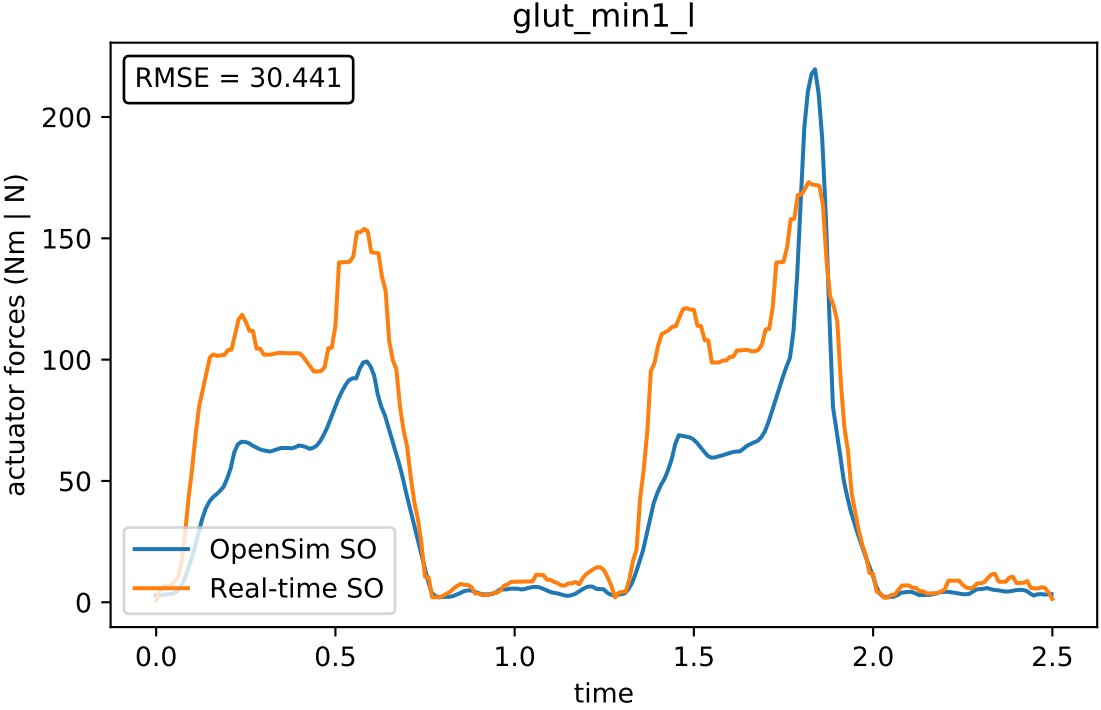
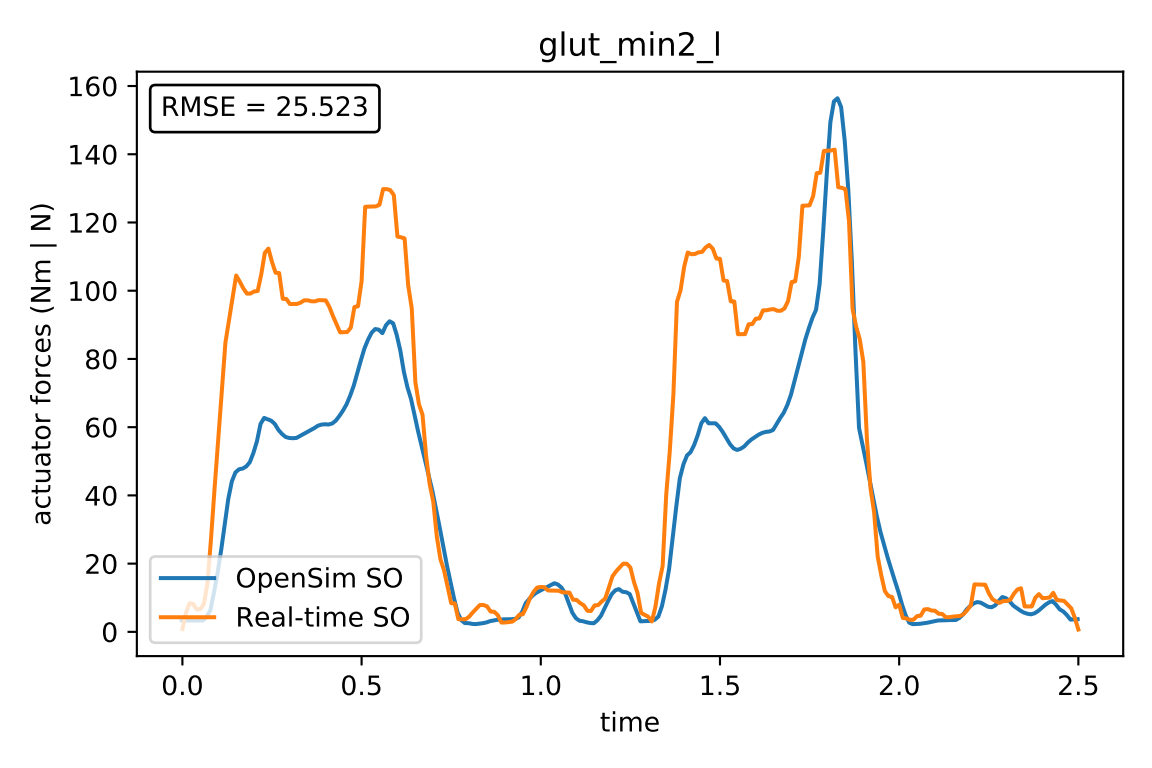
1.5
2.0
2.5


glut_med1_l
RMSE = 112.027
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
100
200
300
400
500
600
0.0
0.5
1.0
1.5
2.0
2.5


glut_med2_l
RMSE = 34.666
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5


glut_med3_l
RMSE = 35.65
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
140
160
0.0
0.5
1.0
1.5
2.0
2.5


glut_min1_l
RMSE = 30.441
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0
2.5


glut_min2_l
RMSE = 25.523
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
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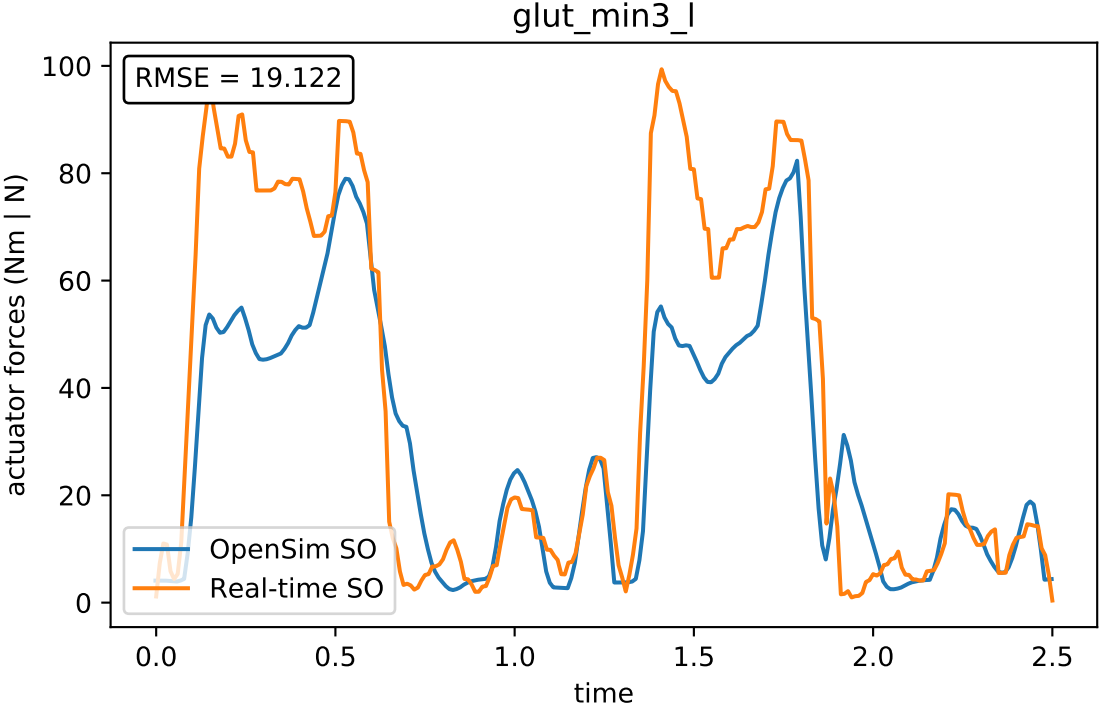
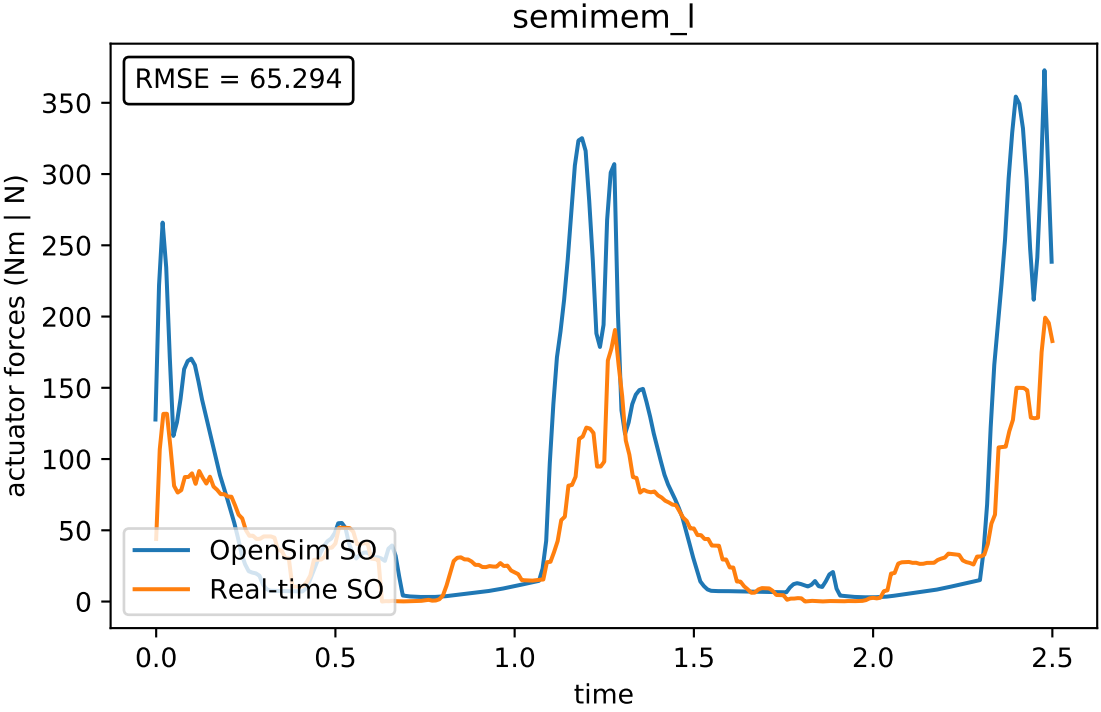
40
60
80
100
120
140
160
0.0
0.5
1.0
1.5
2.0
2.5


glut_min3_l
RMSE = 19.122
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5


semimem_l
RMSE = 65.294
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
50
100
150
200
250
300
350
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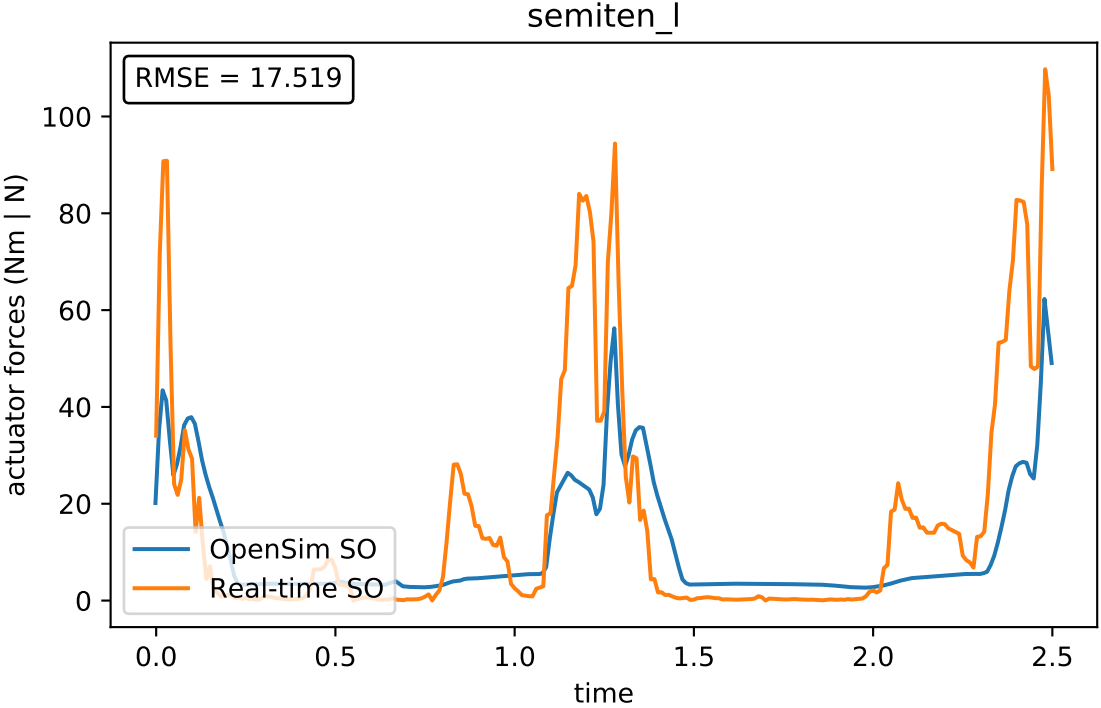
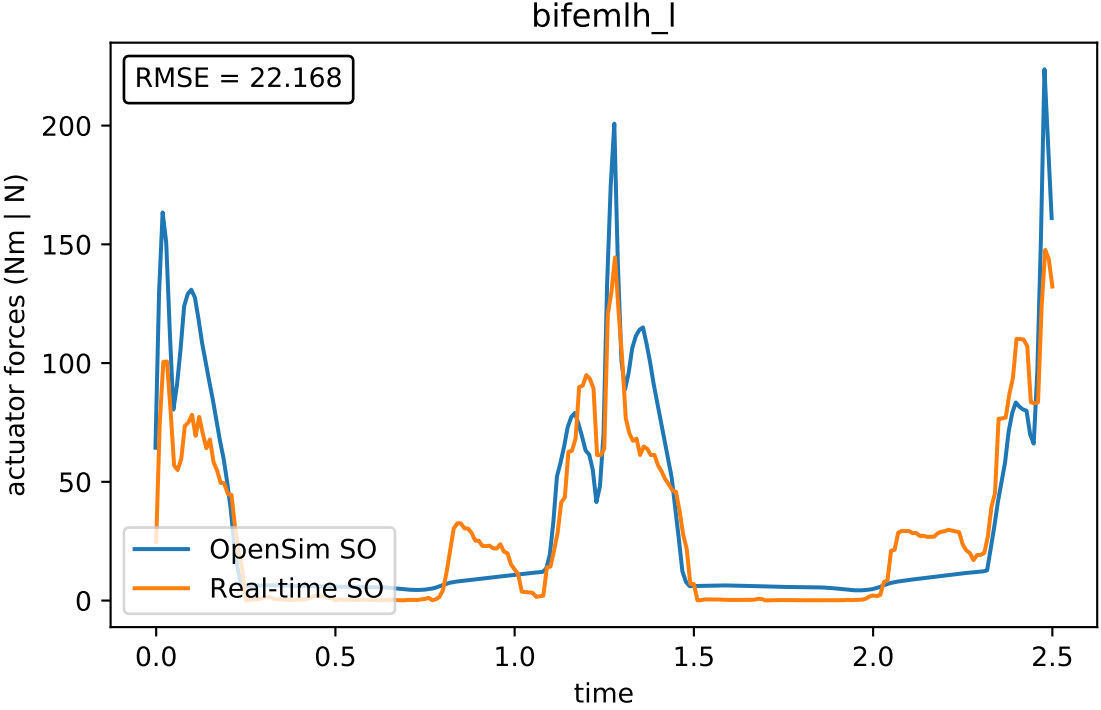
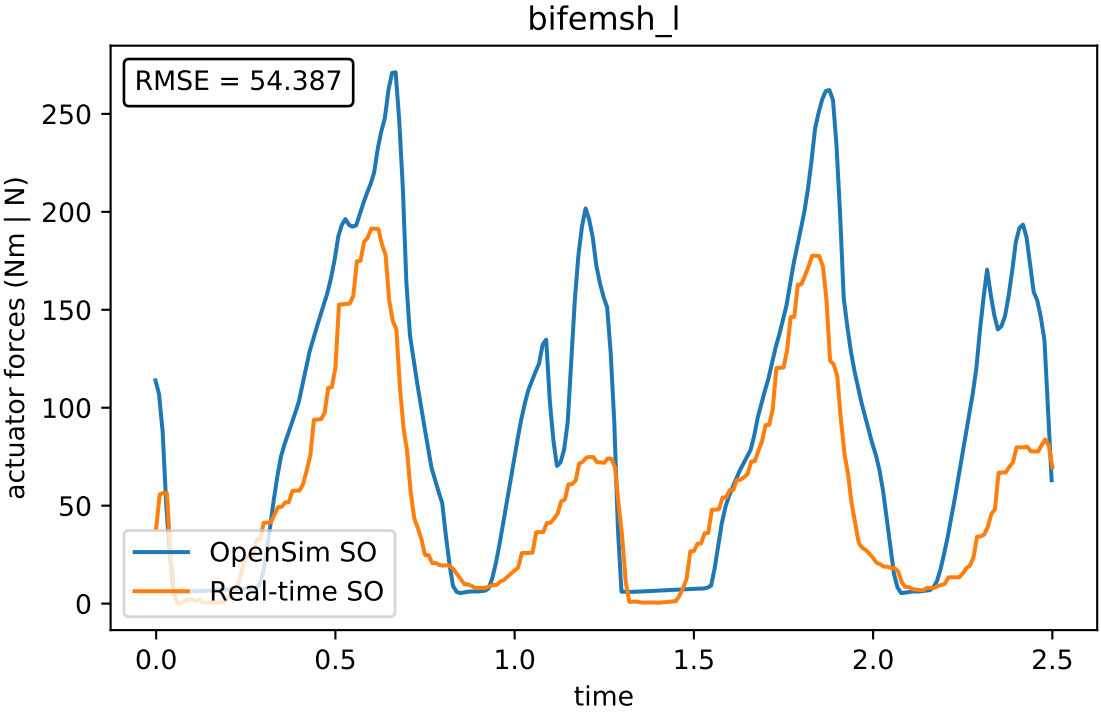
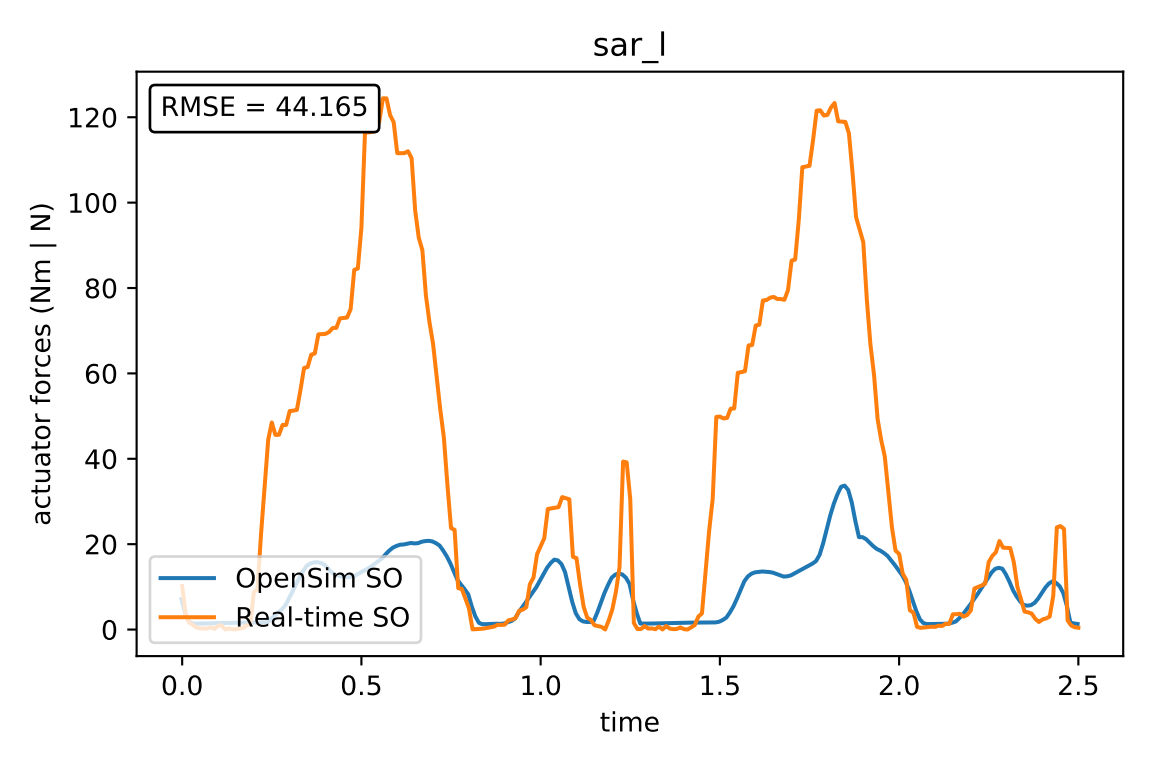
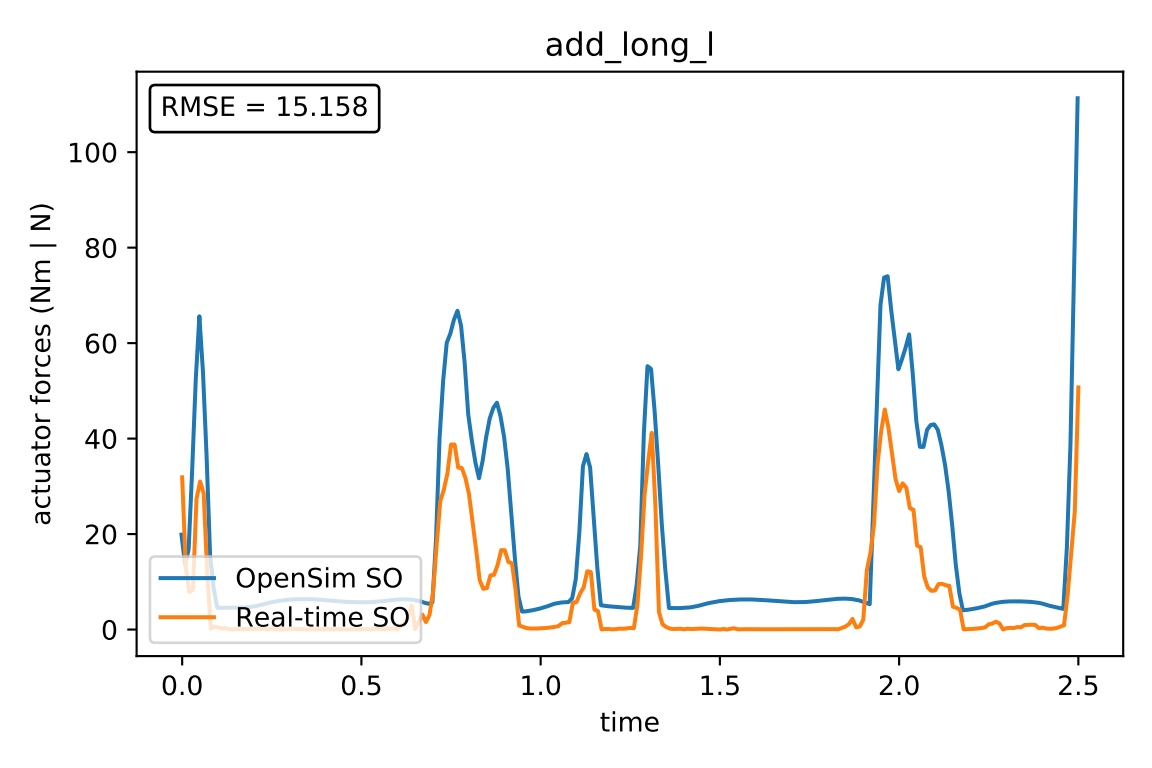
0.5
1.0
1.5
2.0
2.5

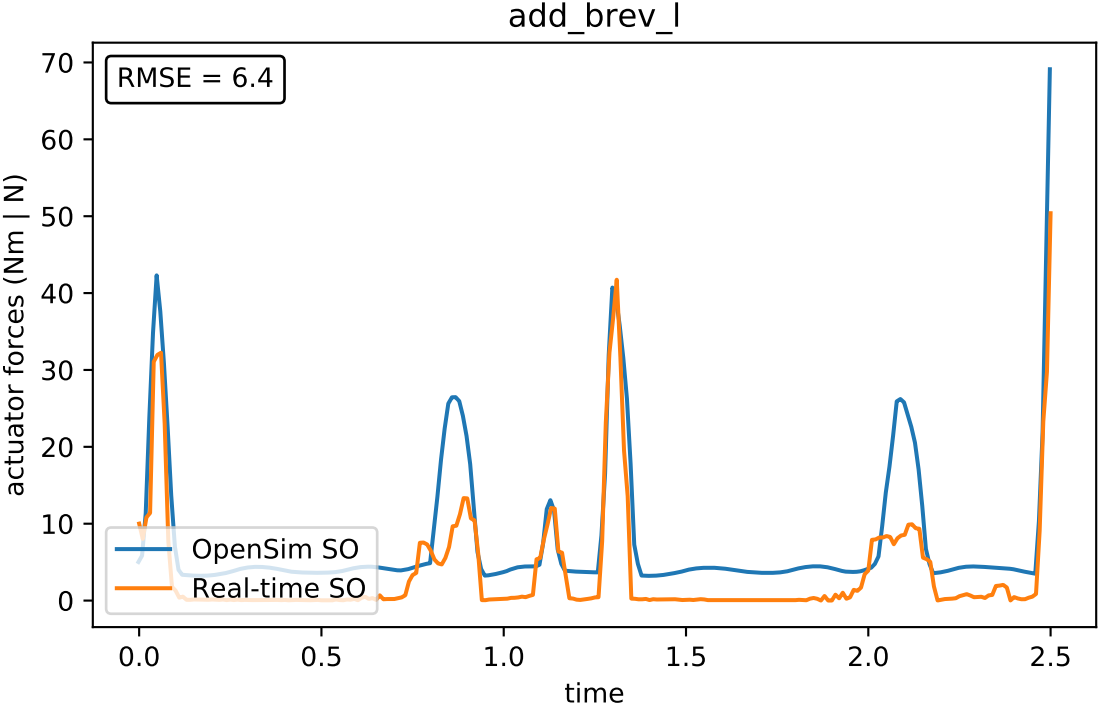

semiten_l
RMSE = 17.519
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

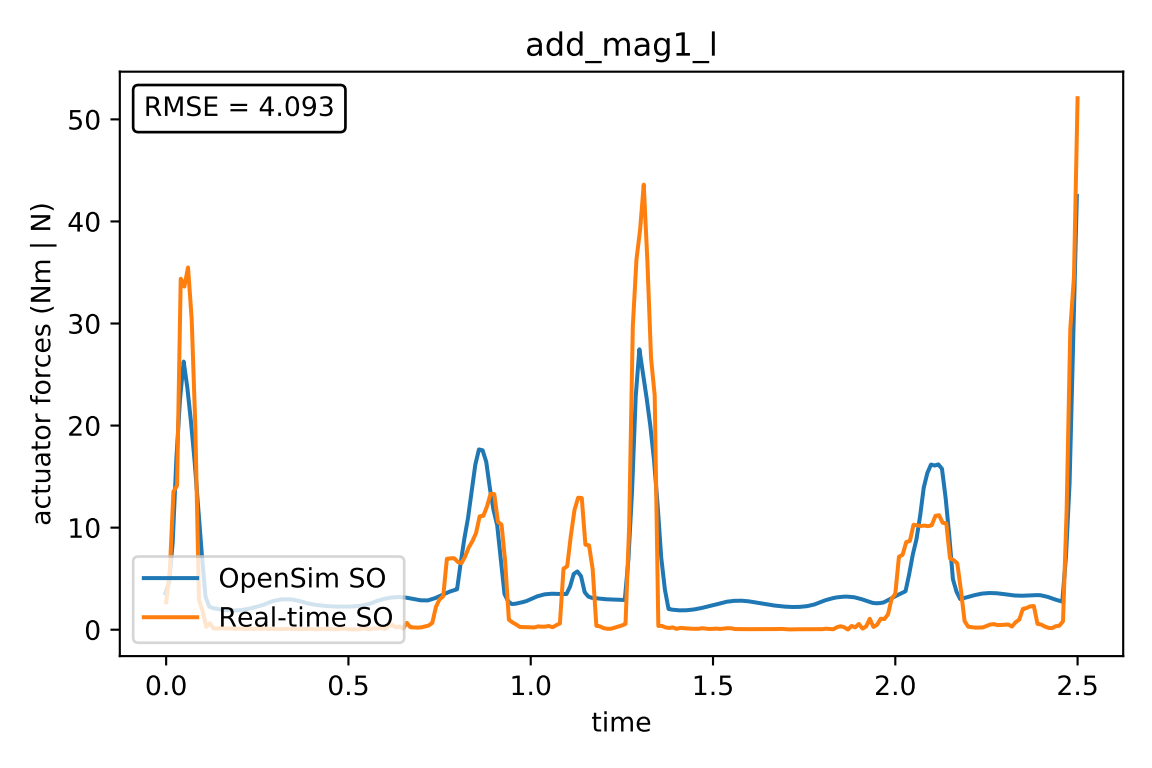

bifemlh_l
RMSE = 22.168
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0
2.5

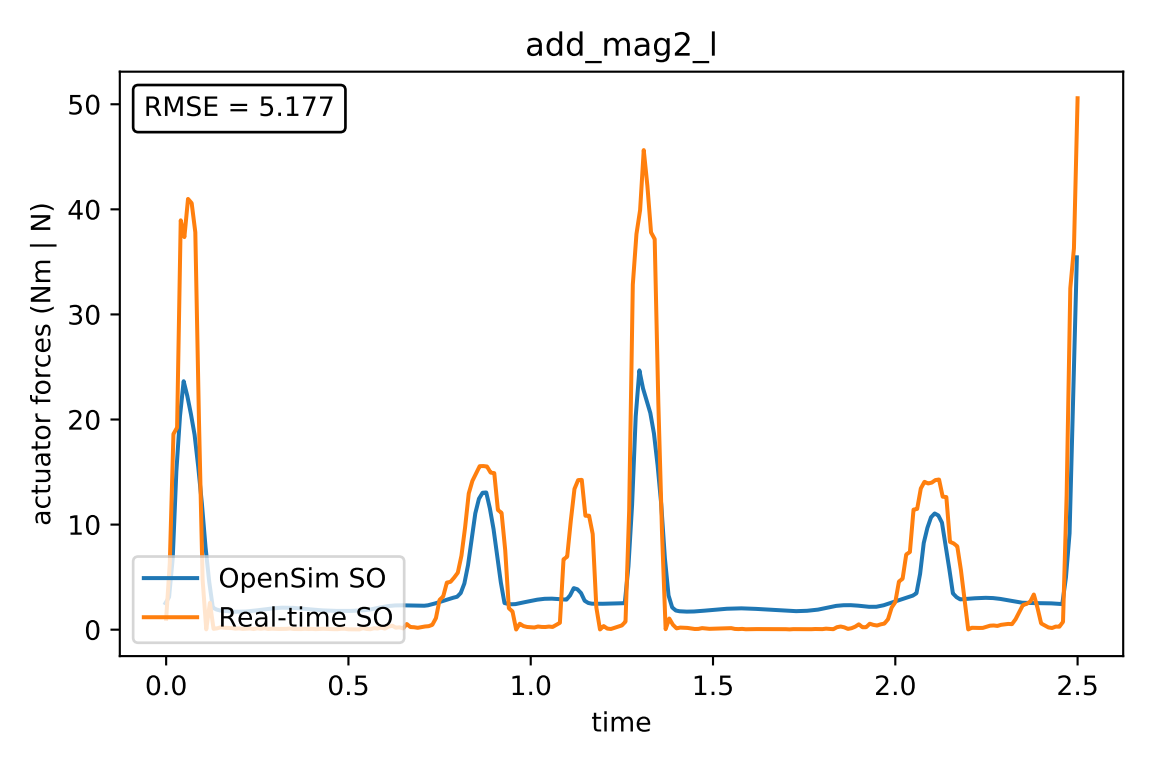

bifemsh_l
RMSE = 54.387
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5

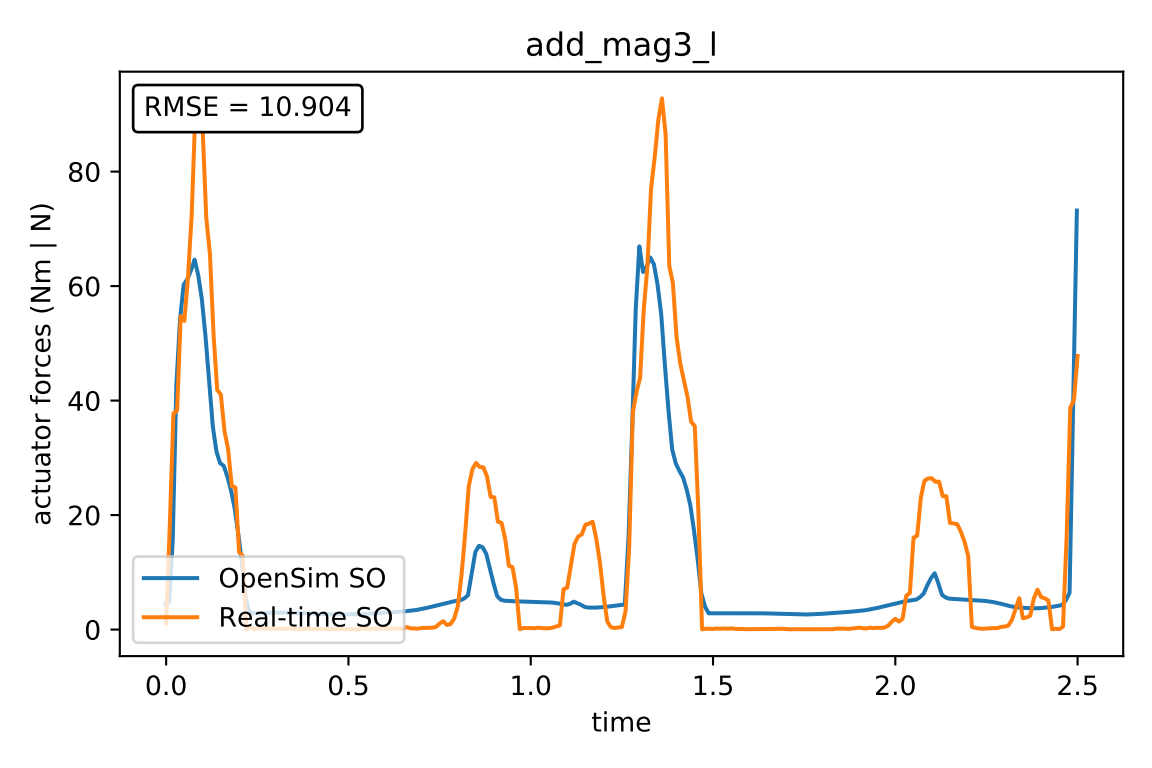

sar_l
RMSE = 44.165
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

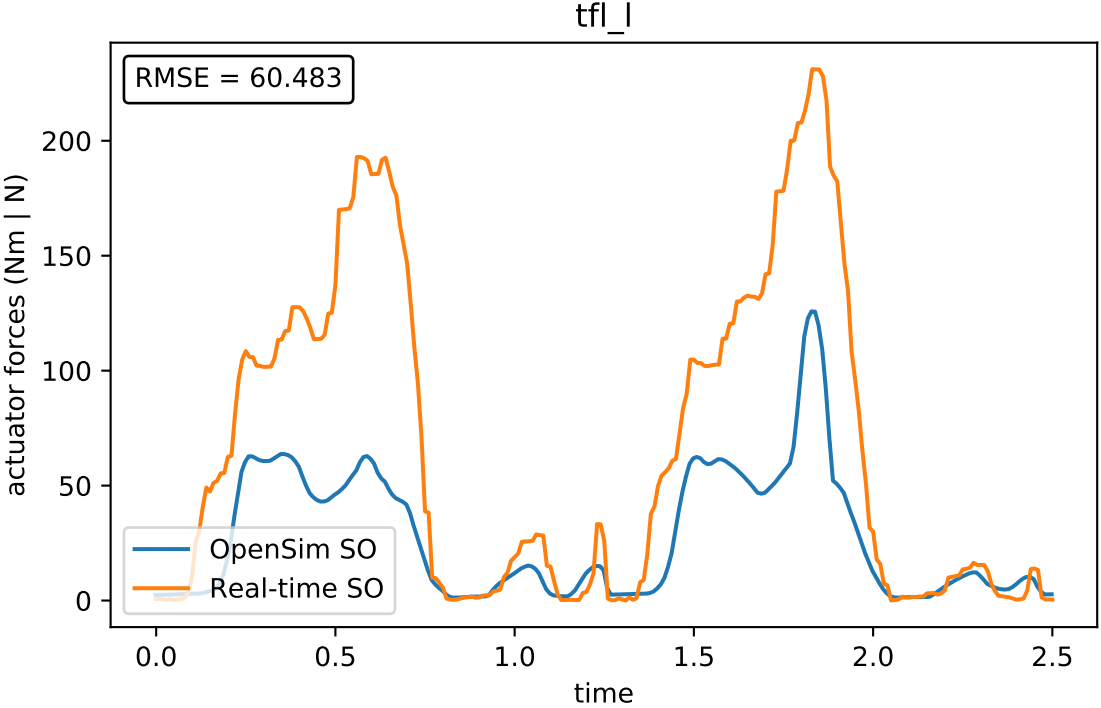

add_long_l
RMSE = 15.158
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

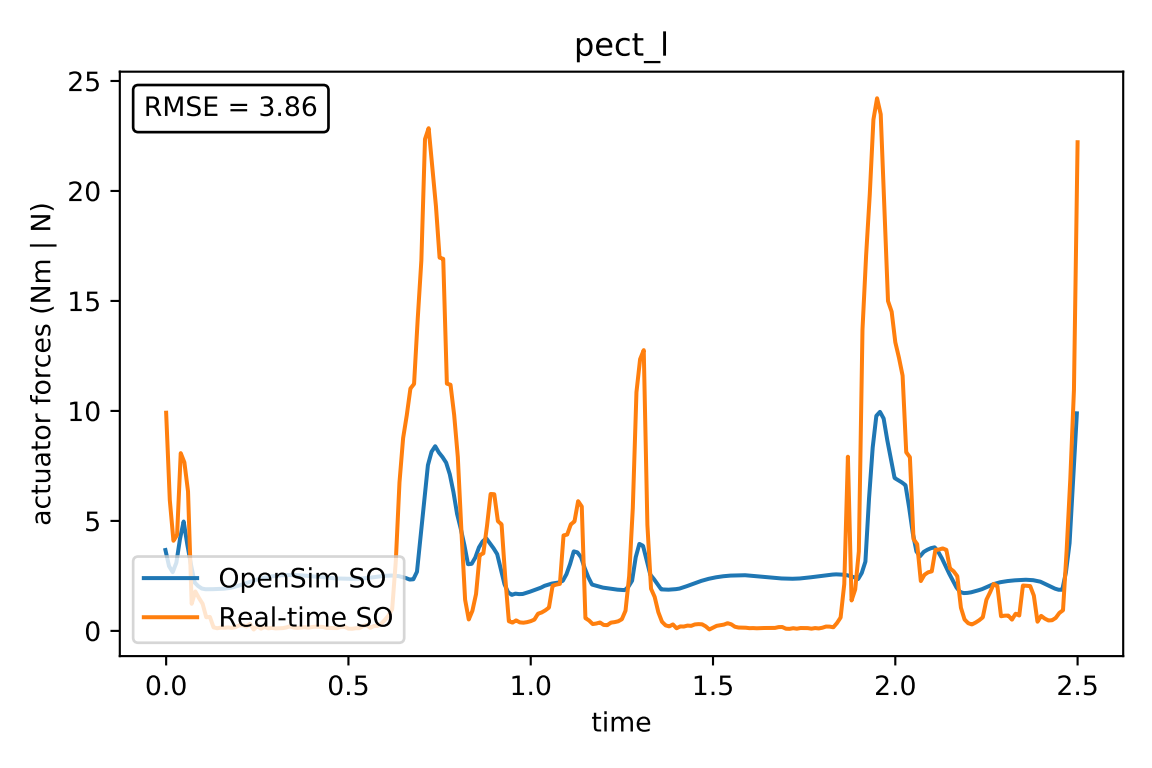

add_brev_l
RMSE = 6.4
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
60
70
0.0
0.5
1.0
1.5
2.0
2.5


add_mag1_l
RMSE = 4.093
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
0.0
0.5
1.0
1.5
2.0
2.5


add_mag2_l
RMSE = 5.177
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
0.0
0.5
1.0
1.5
2.0
2.5


add_mag3_l
RMSE = 10.904
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5


tfl_l
RMSE = 60.483
actuator forces (Nm | N)
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5
time
OpenSim SO
Real-time SO


pect_l
RMSE = 3.86
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
5
10
15
20
25
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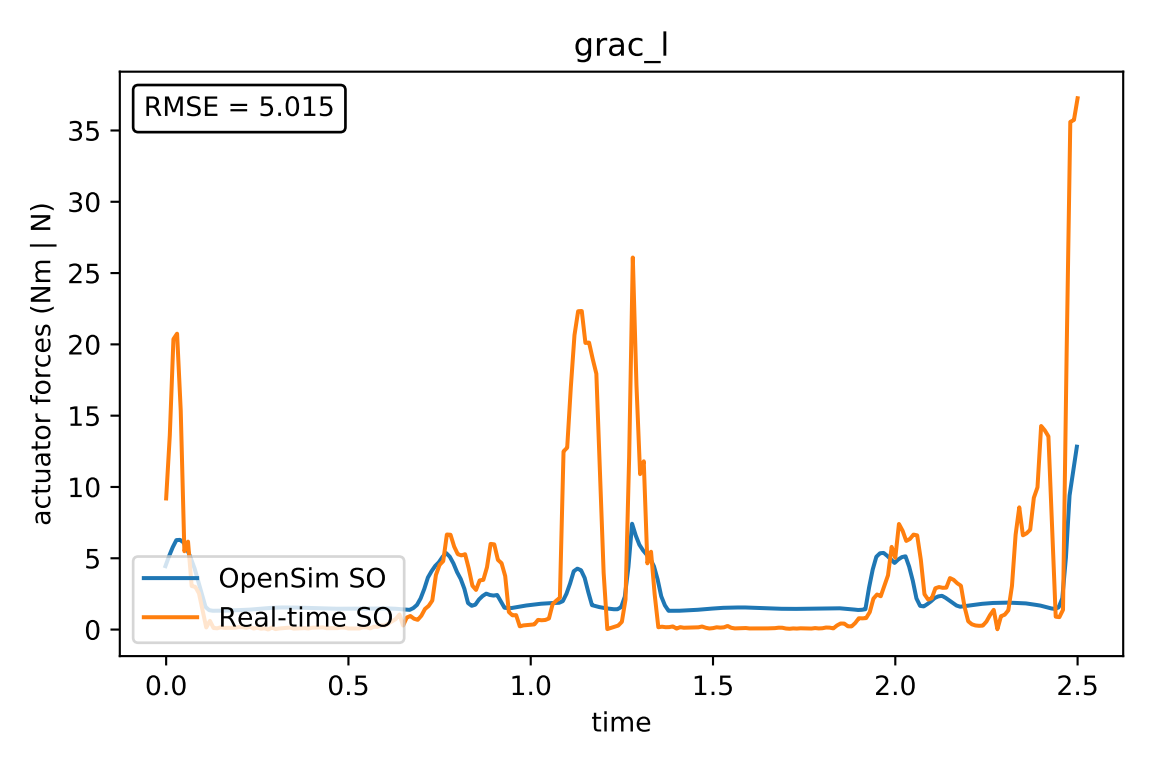
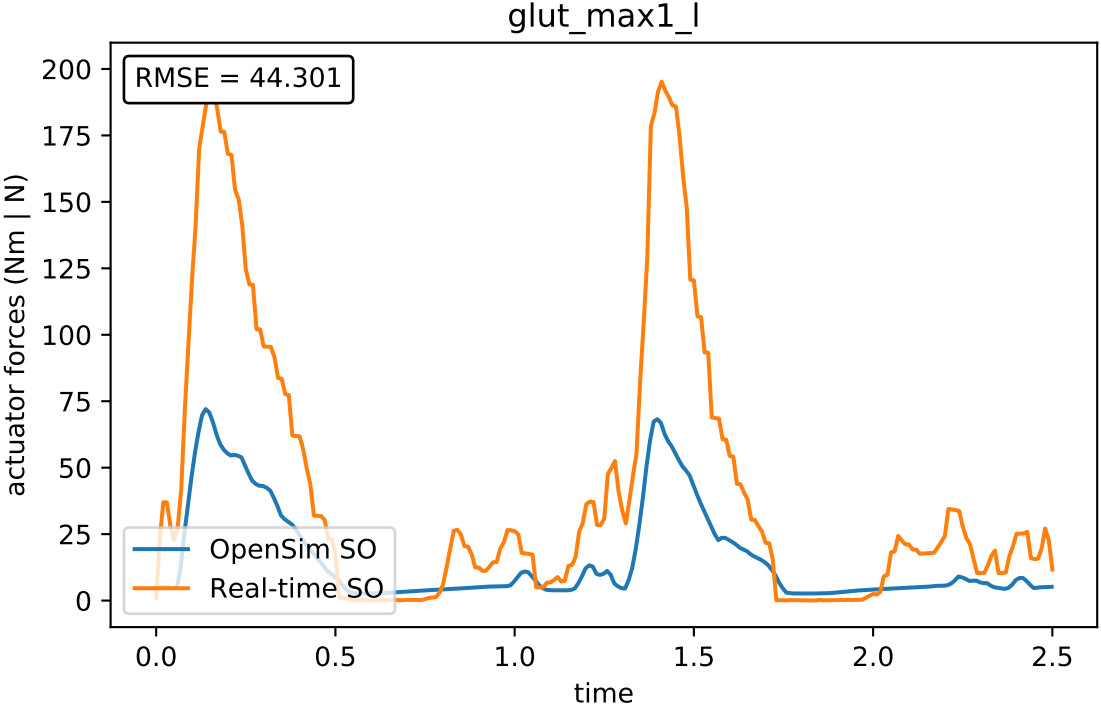
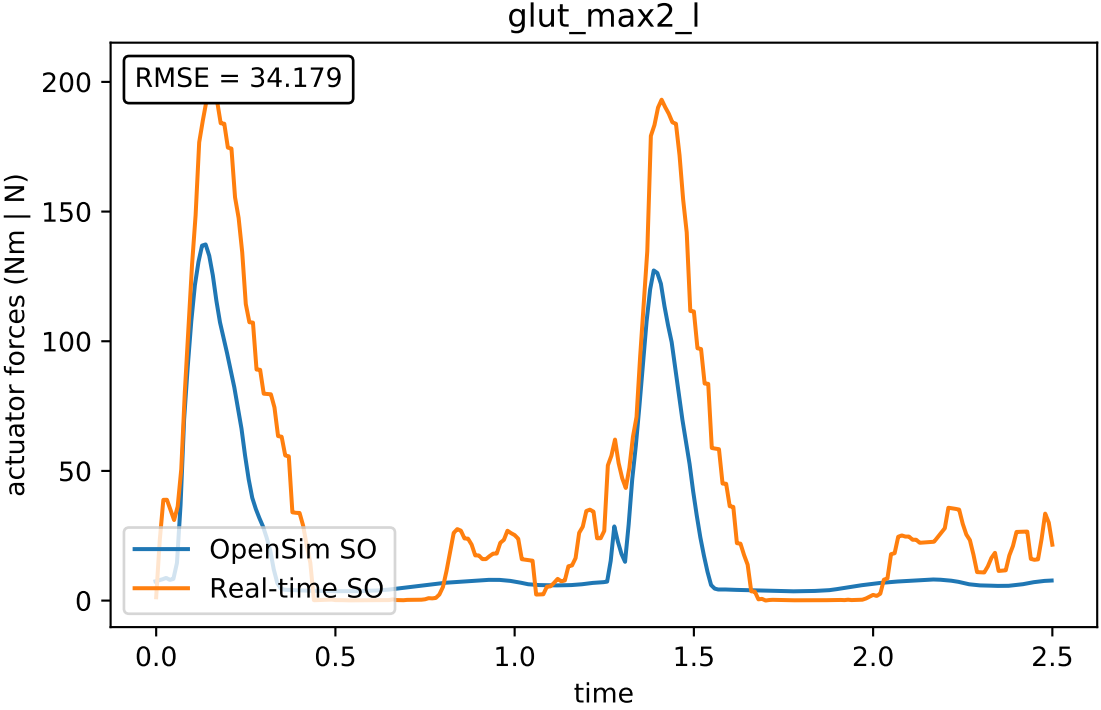
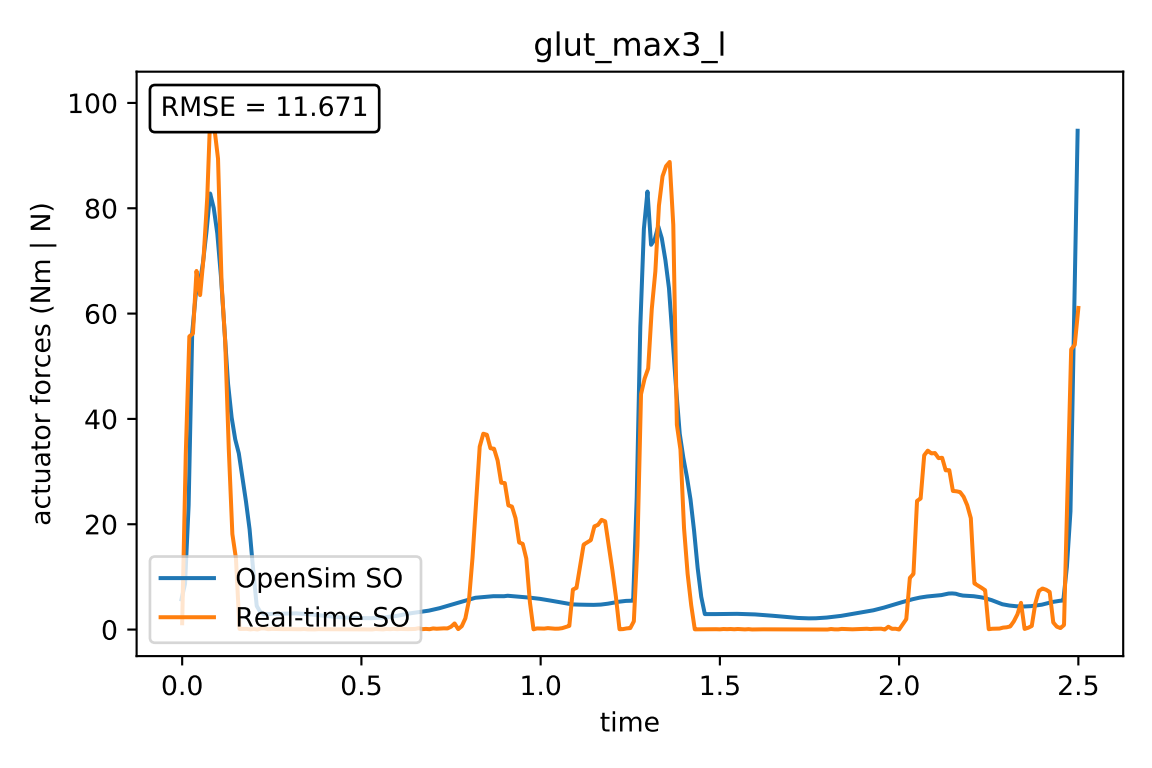
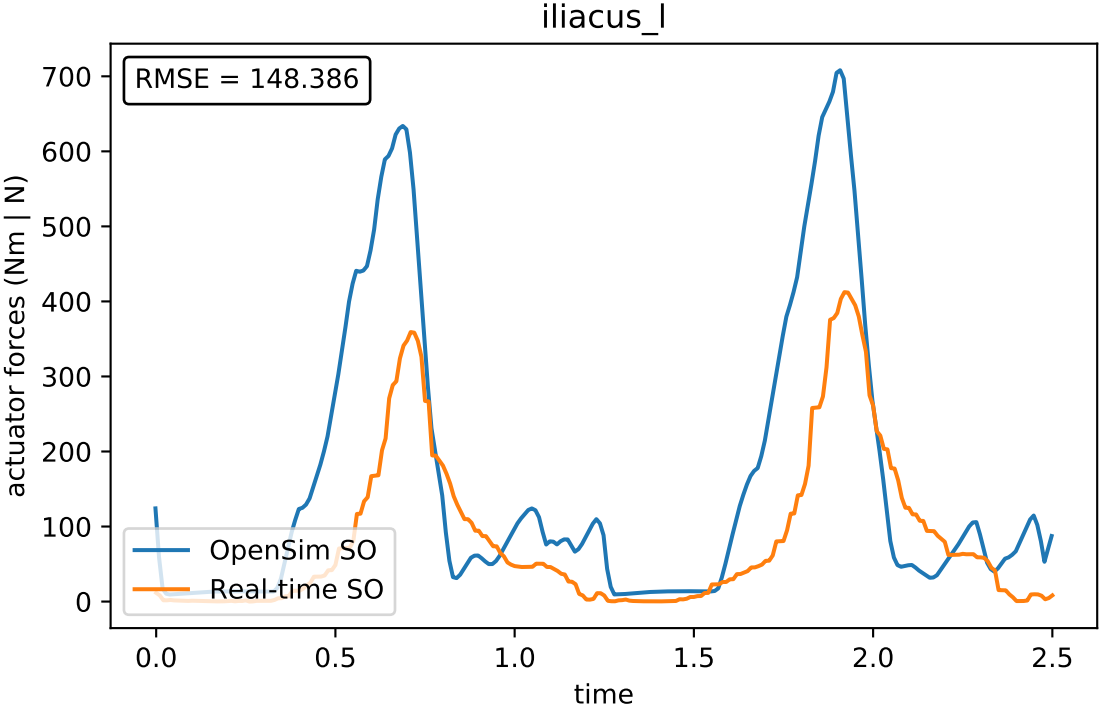
0.5
1.0
1.5
2.0
2.5

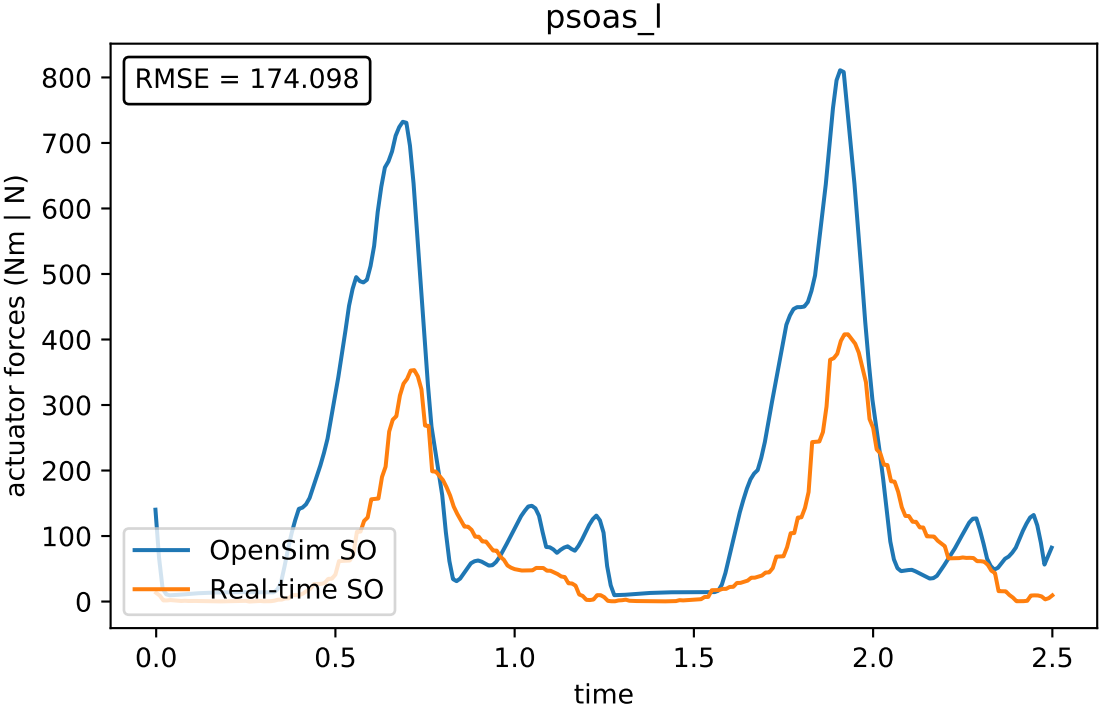

grac_l
RMSE = 5.015
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
5
10
15
20
25
30
35
0.0
0.5
1.0
1.5
2.0
2.5

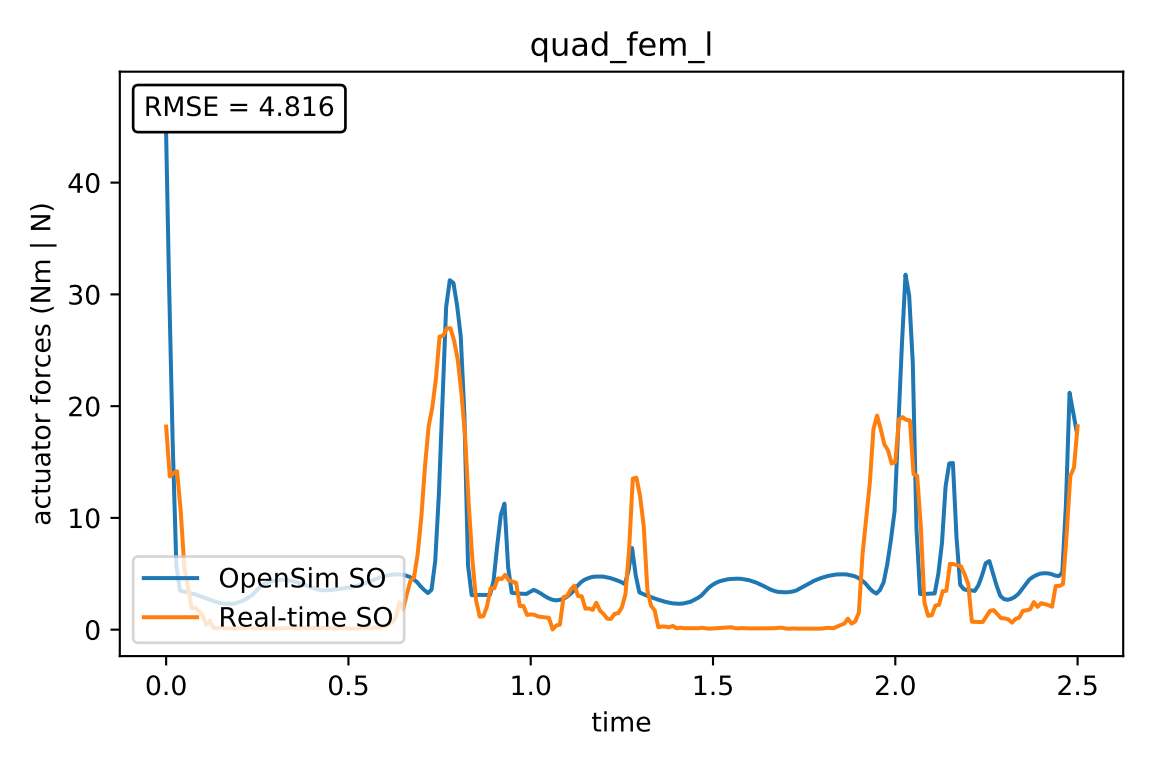

glut_max1_l
RMSE = 44.301
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
200
175
150
125
100
75
50
25
0
0.0
0.5
1.0
1.5
2.0
2.5

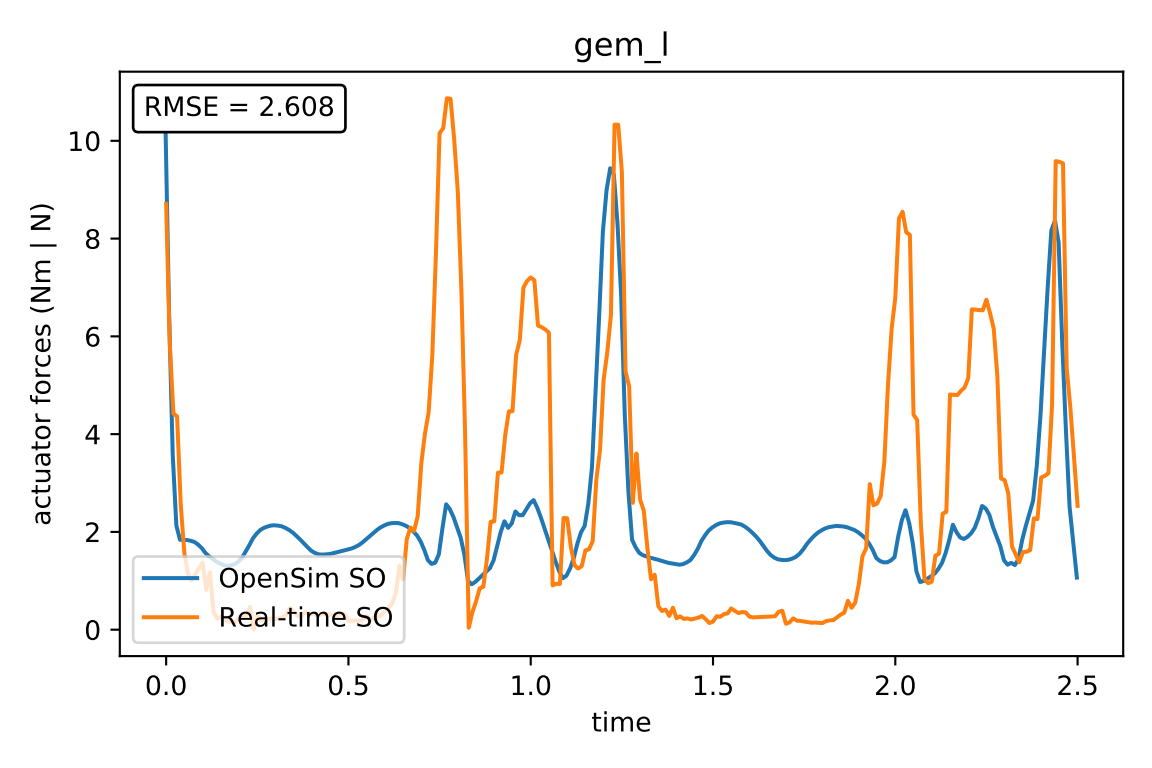

glut_max2_l
RMSE = 34.179
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5

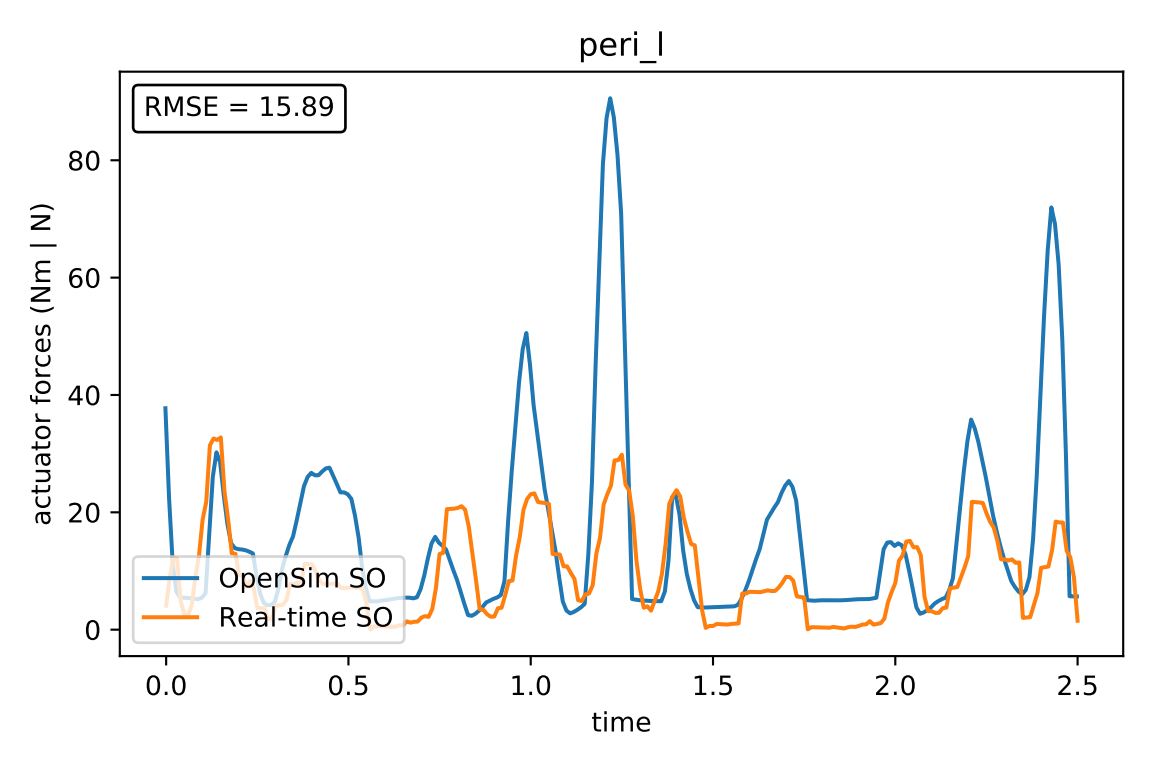

glut_max3_l
RMSE = 11.671
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

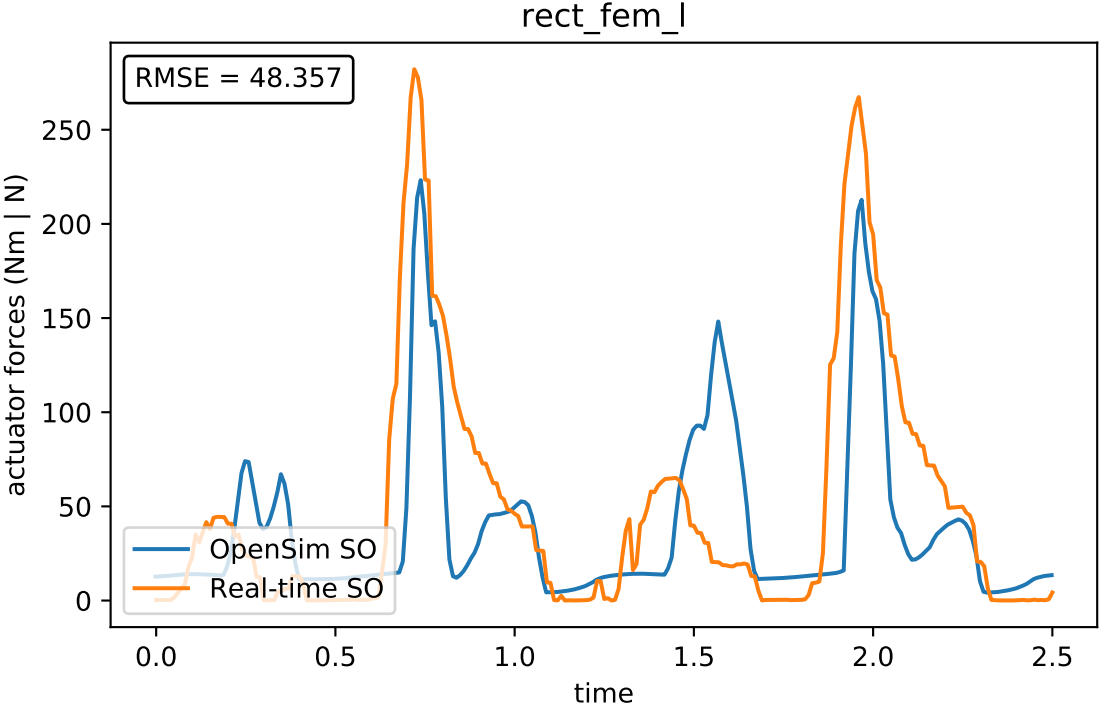

iliacus_l
RMSE = 148.386
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
100
200
300
400
500
600
700
0.0
0.5
1.0
1.5
2.0
2.5

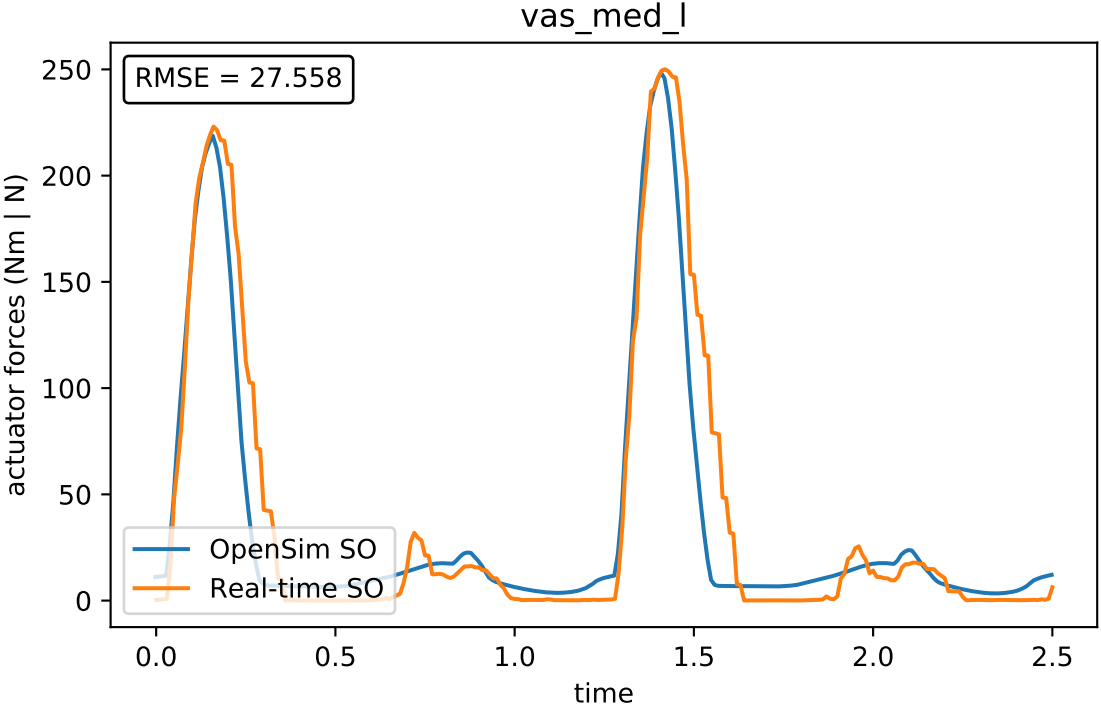

psoas_l
RMSE = 174.098
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
100
200
300
400
500
600
700
800
0.0
0.5
1.0
1.5
2.0
2.5

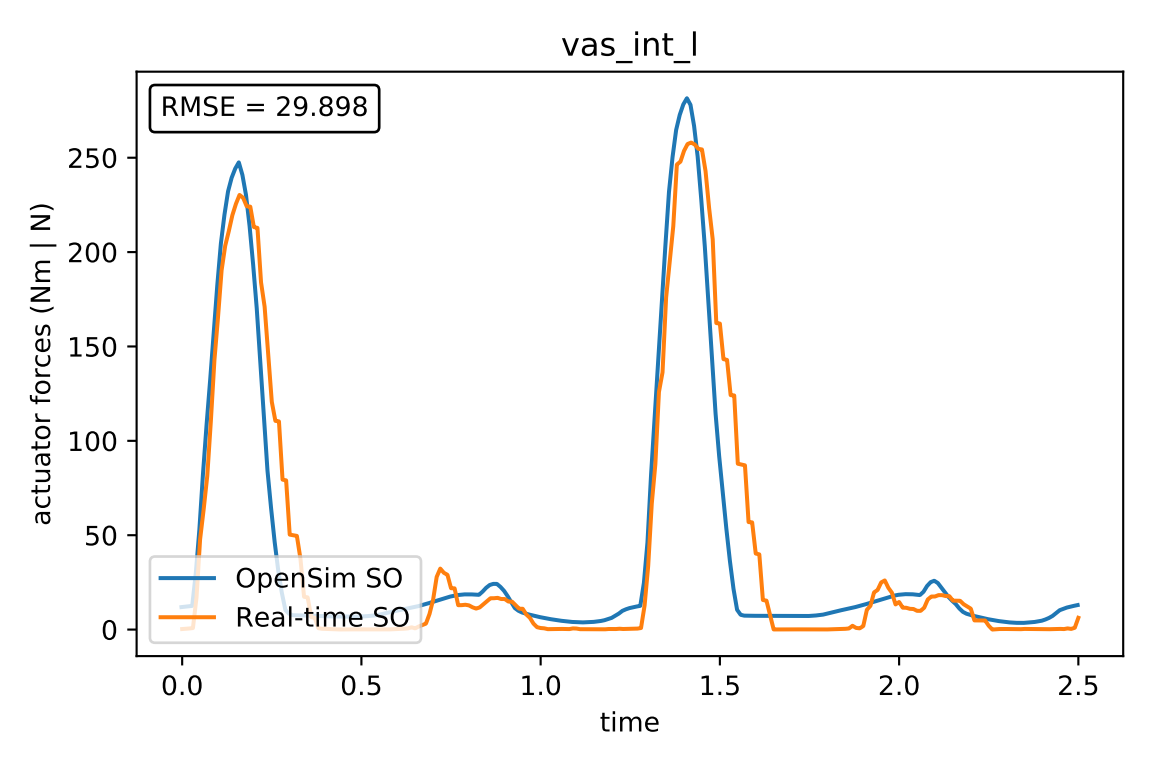

quad_fem_l
RMSE = 4.816
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
10
20
30
40
0.0
0.5
1.0
1.5
2.0
2.5

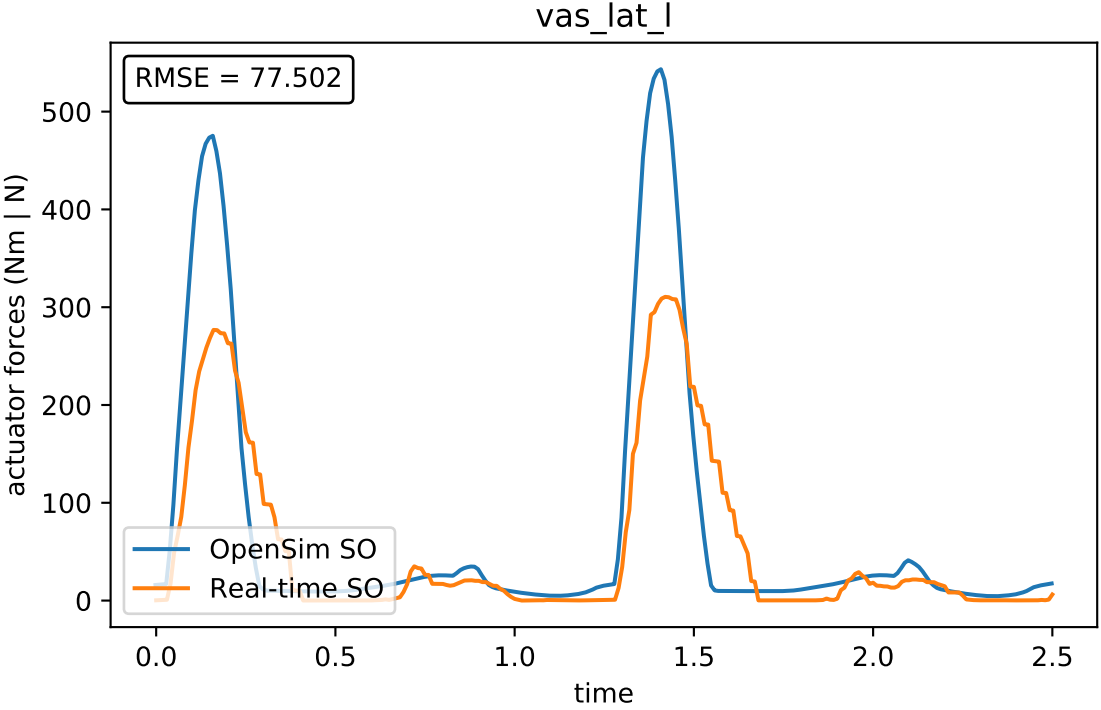

gem_l
RMSE = 2.608
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
2
4
6
8
10
0.0
0.5
1.0
1.5
2.0
2.5

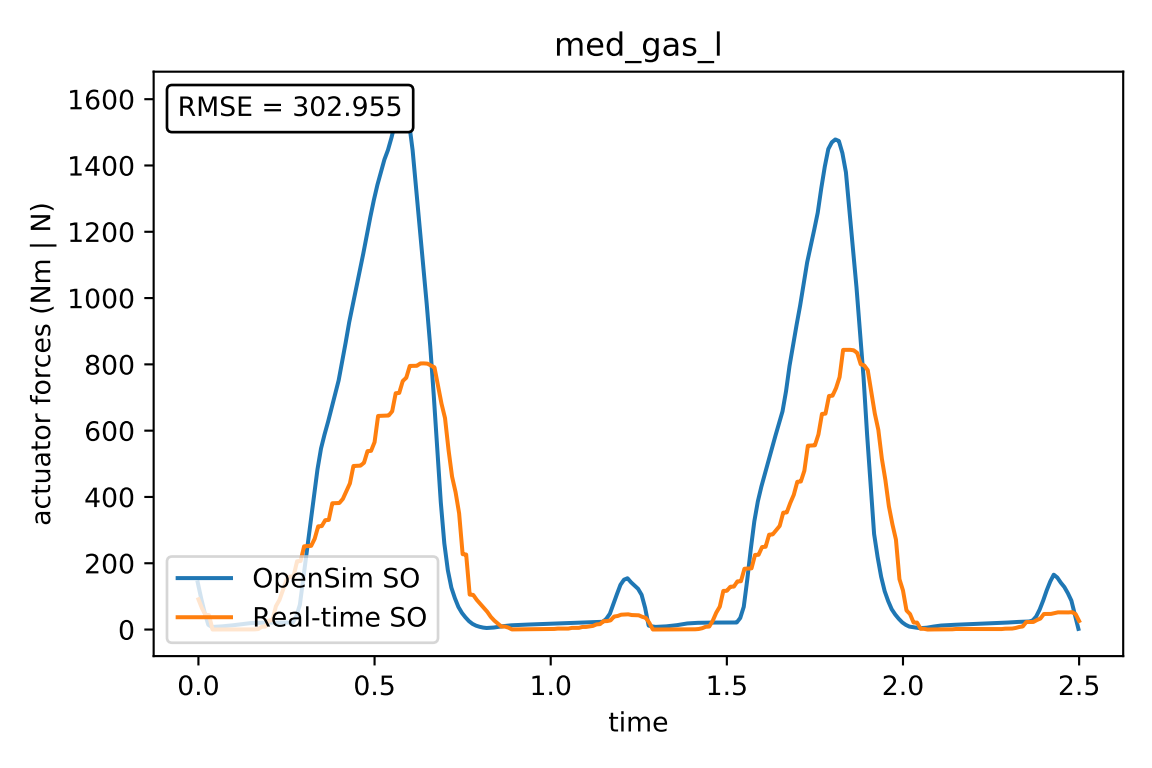

peri_l
RMSE = 15.89
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5

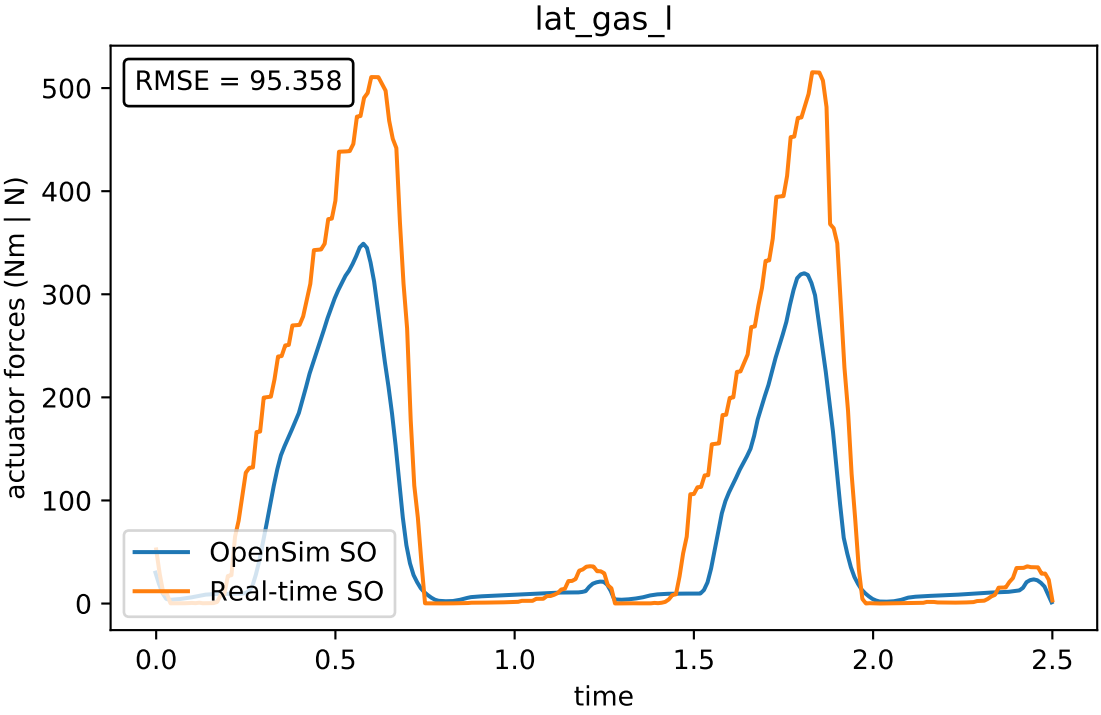

rect_fem_l
RMSE = 48.357
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5

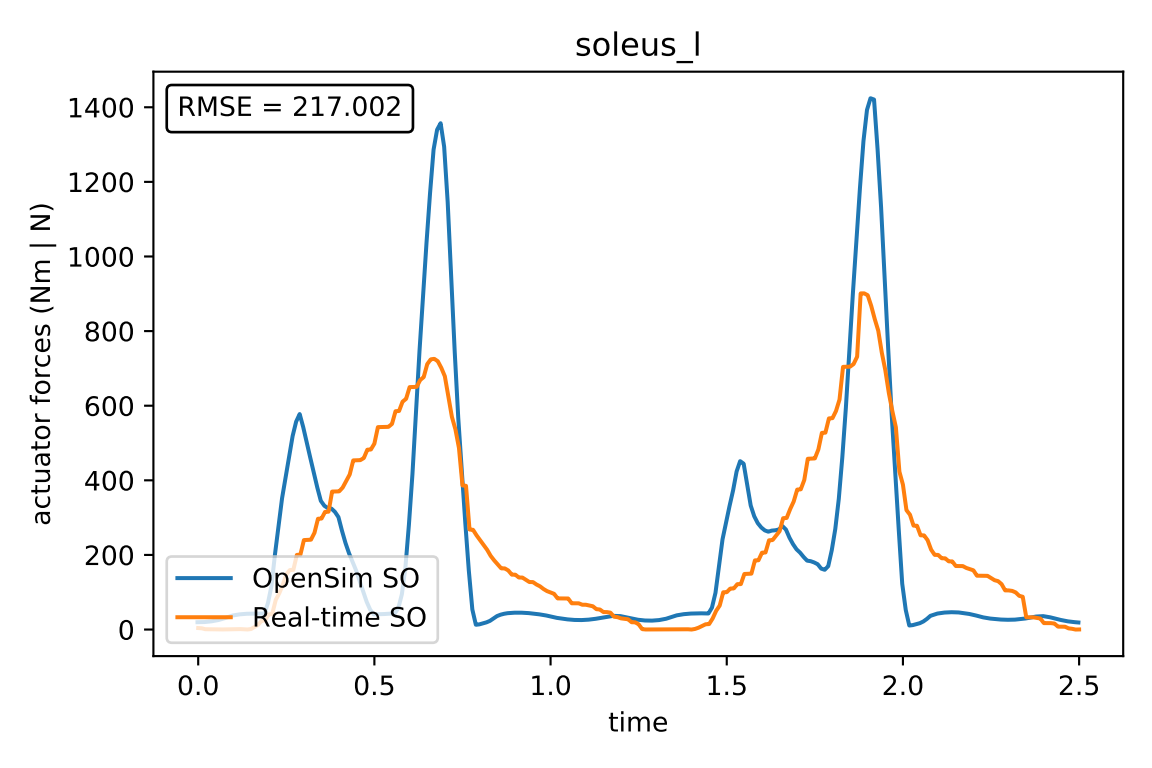

vas_med_l
RMSE = 27.558
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
250
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5

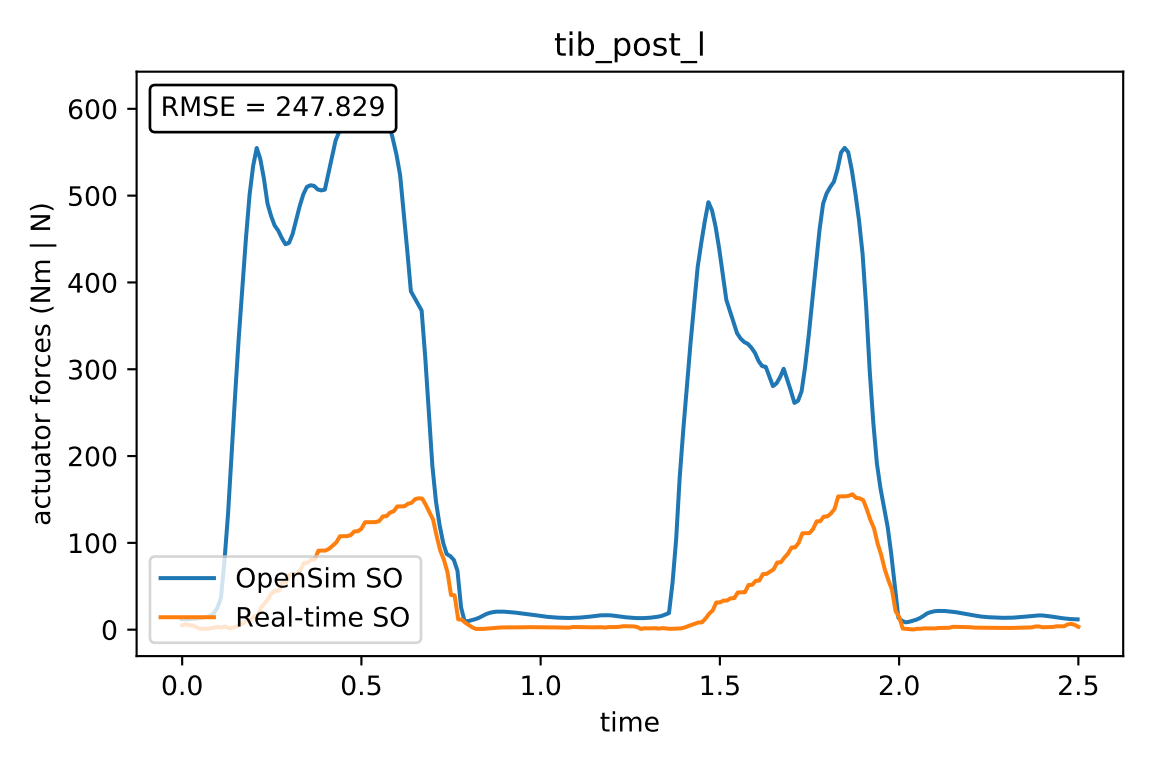

vas_int_l
RMSE = 29.898
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5

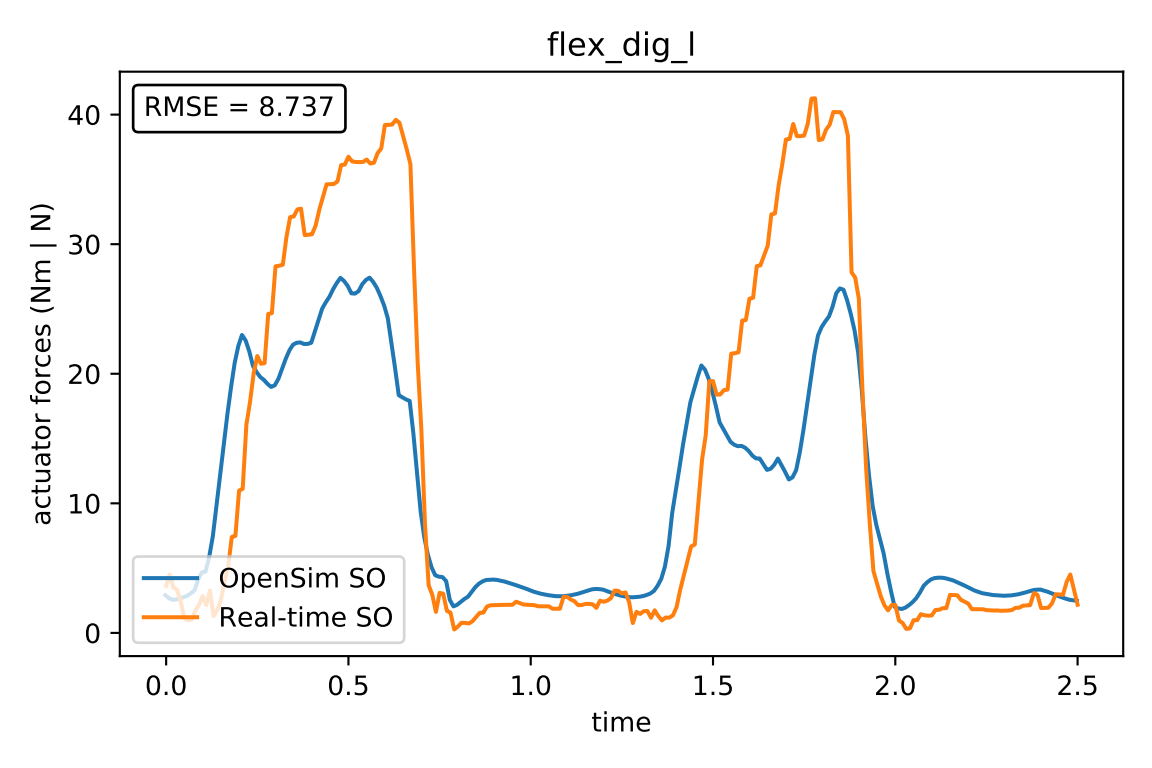

vas_lat_l
RMSE = 77.502
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
100
200
300
400
500
0.0
0.5
1.0
1.5
2.0
2.5

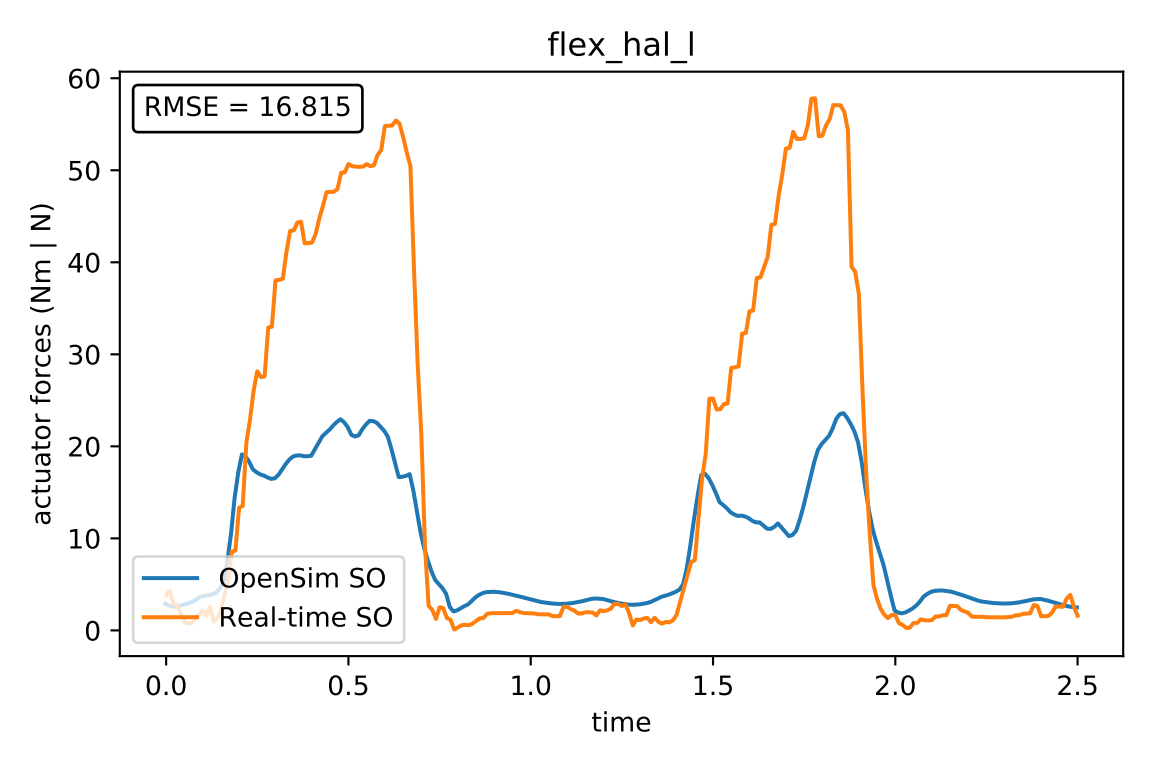

med_gas_l
RMSE = 302.955
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
1600
1400
1200
1000
800
600
400
200
0
0.0
0.5
1.0
1.5
2.0
2.5

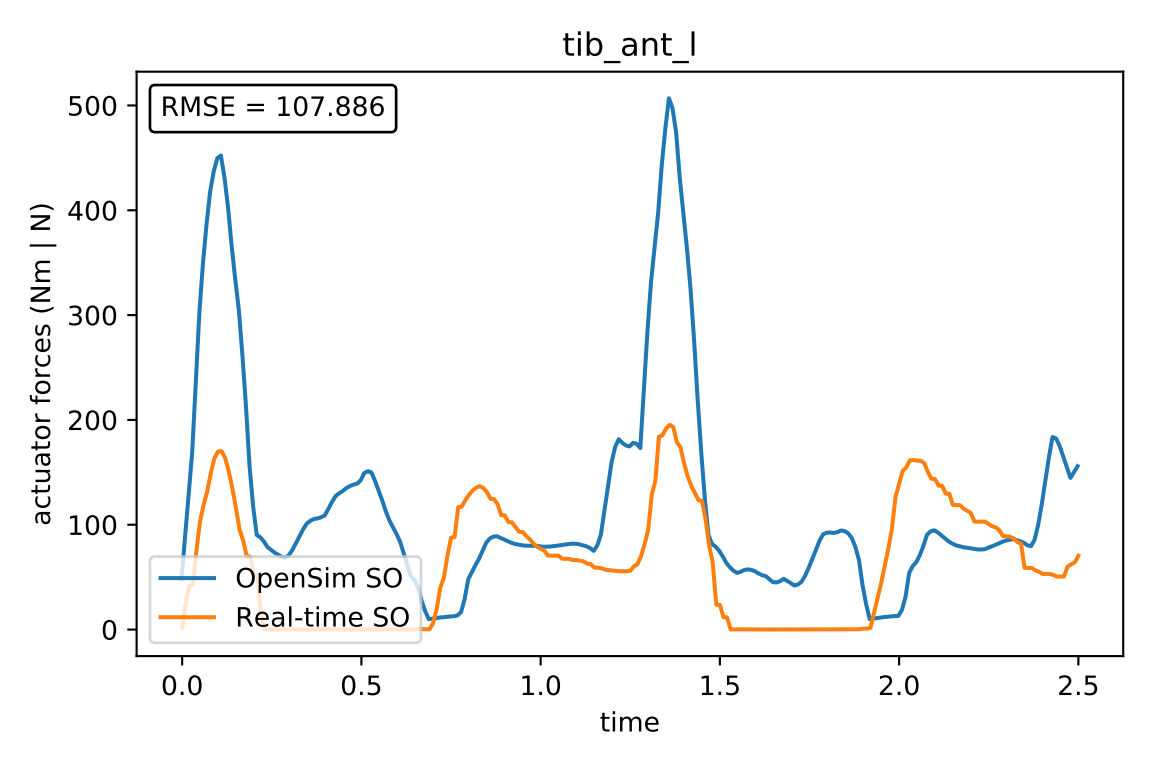

lat_gas_l
RMSE = 95.358
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
100
200
300
400
500
0.0
0.5
1.0
1.5
2.0
2.5

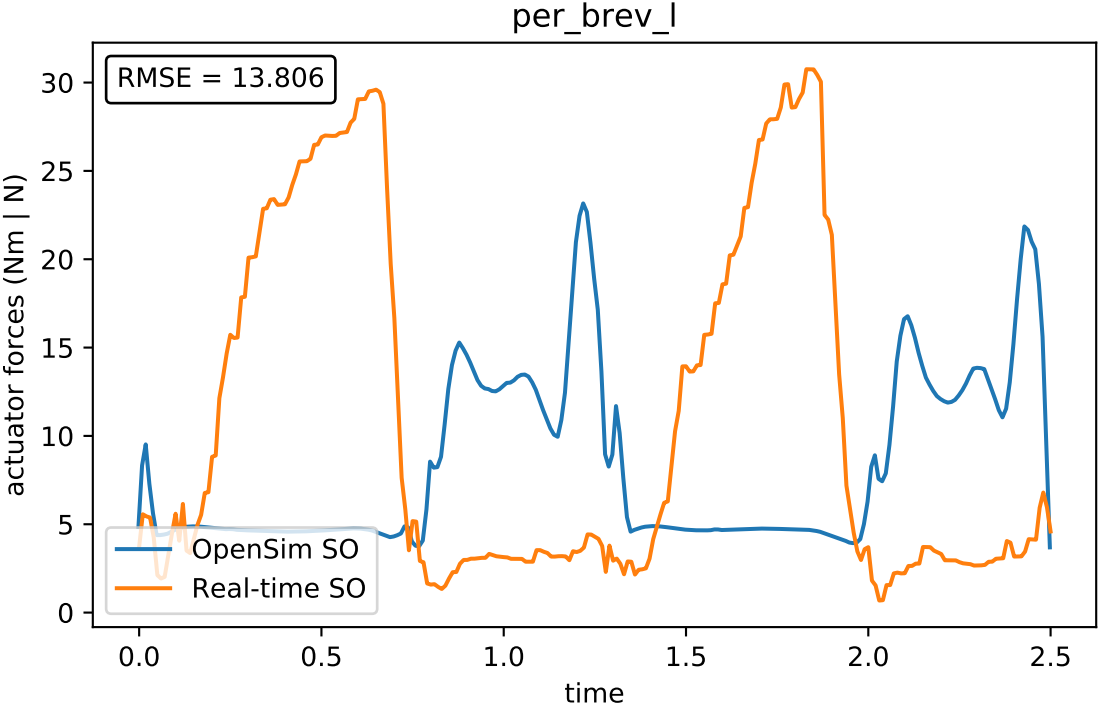

soleus_l
RMSE = 217.002
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
200
400
600
800
1000
1200
1400
0.0
0.5
1.0
1.5
2.0
2.5

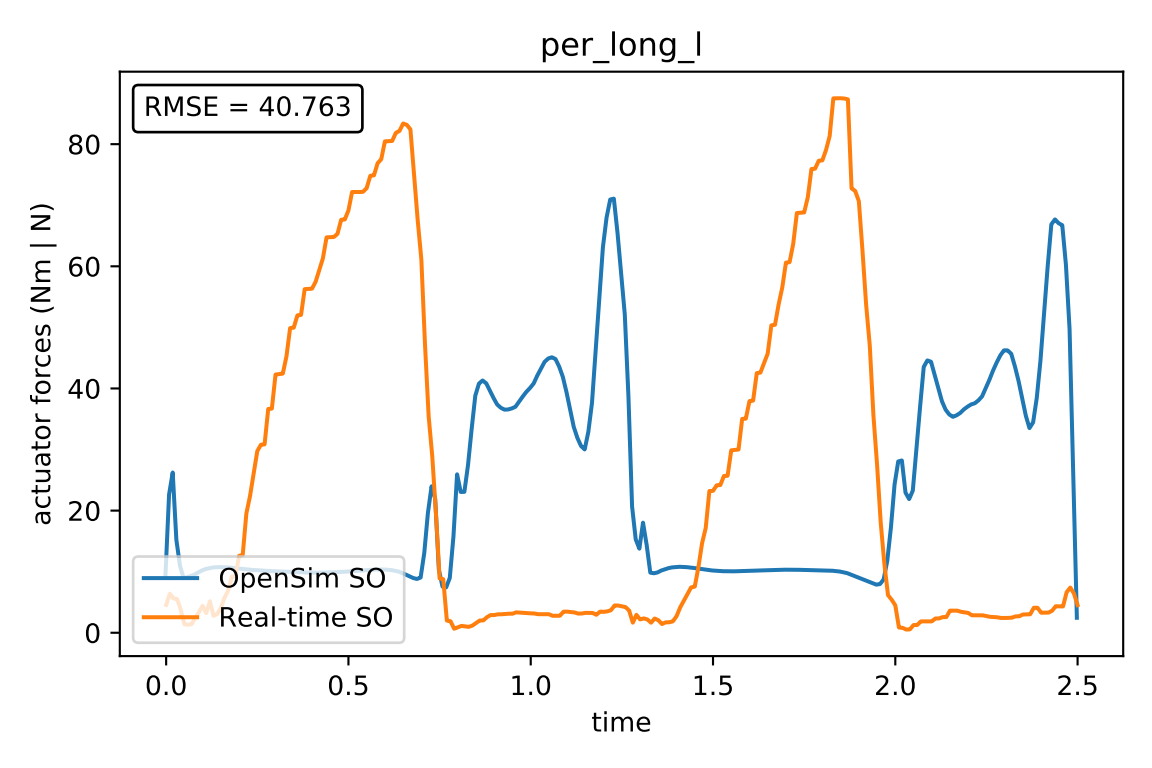

tib_post_l
RMSE = 247.829
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
600
0.0
0.5
1.0
1.5
2.0
2.5

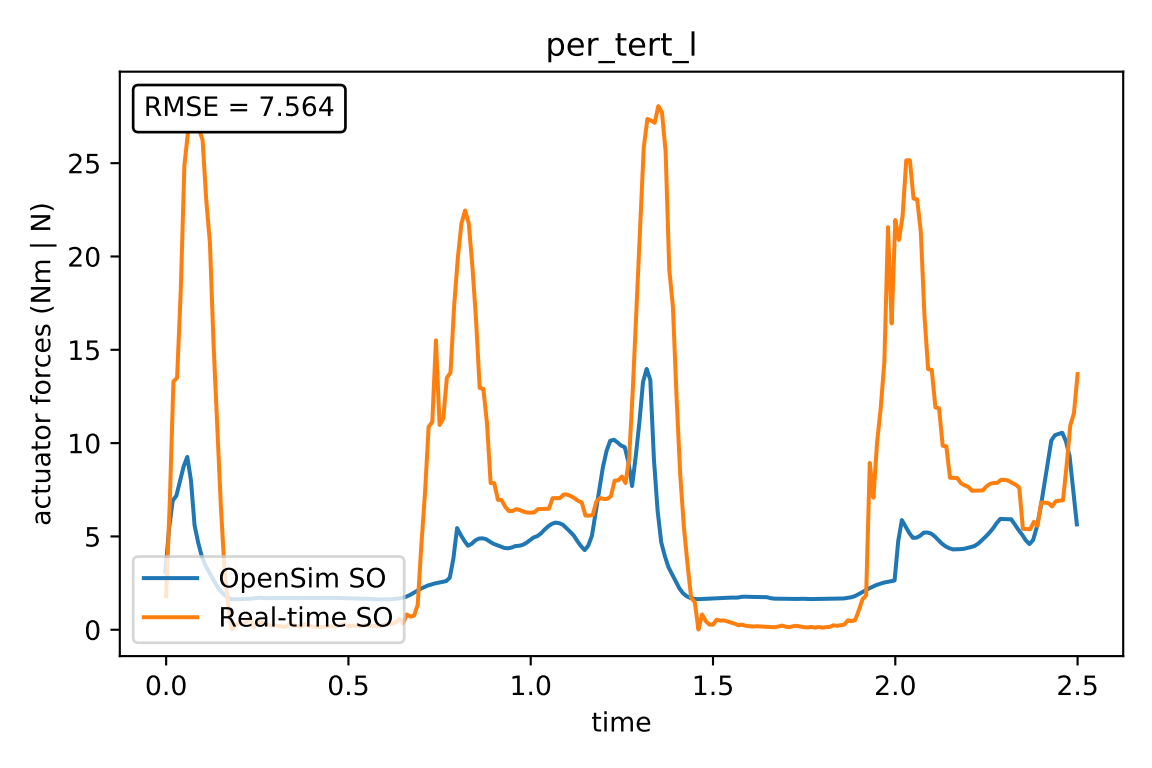

flex_dig_l
RMSE = 8.737
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
10
20
30
40
0.0
0.5
1.0
1.5
2.0
2.5

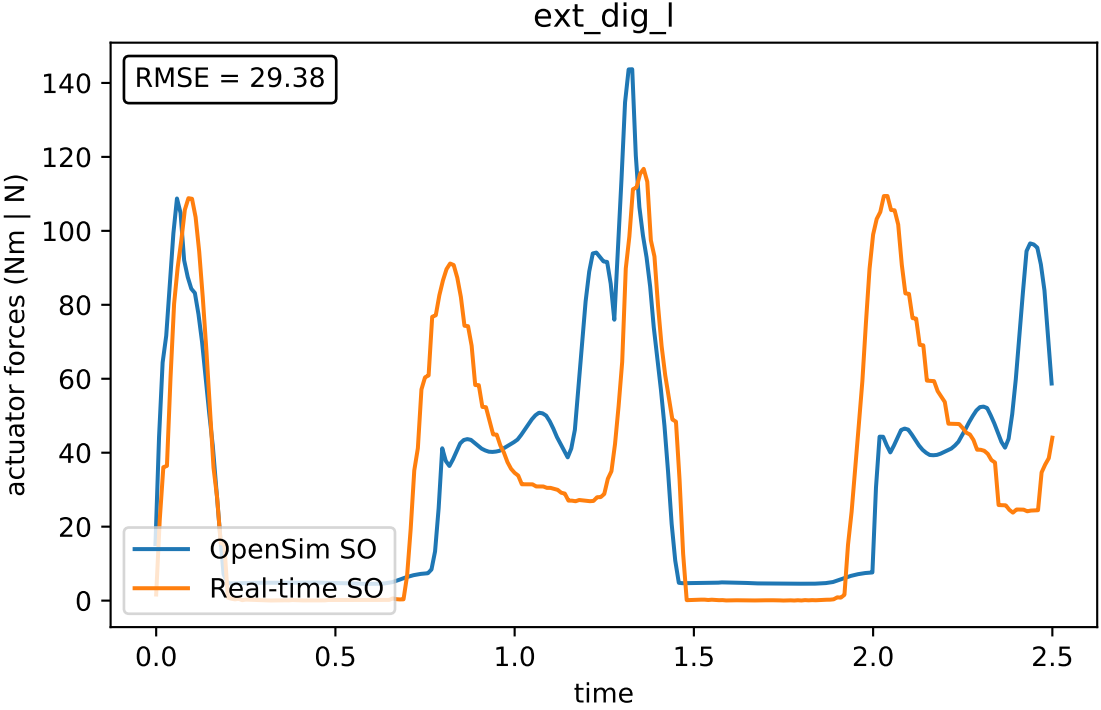

flex_hal_l
RMSE = 16.815
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
60
0.0
0.5
1.0
1.5
2.0
2.5

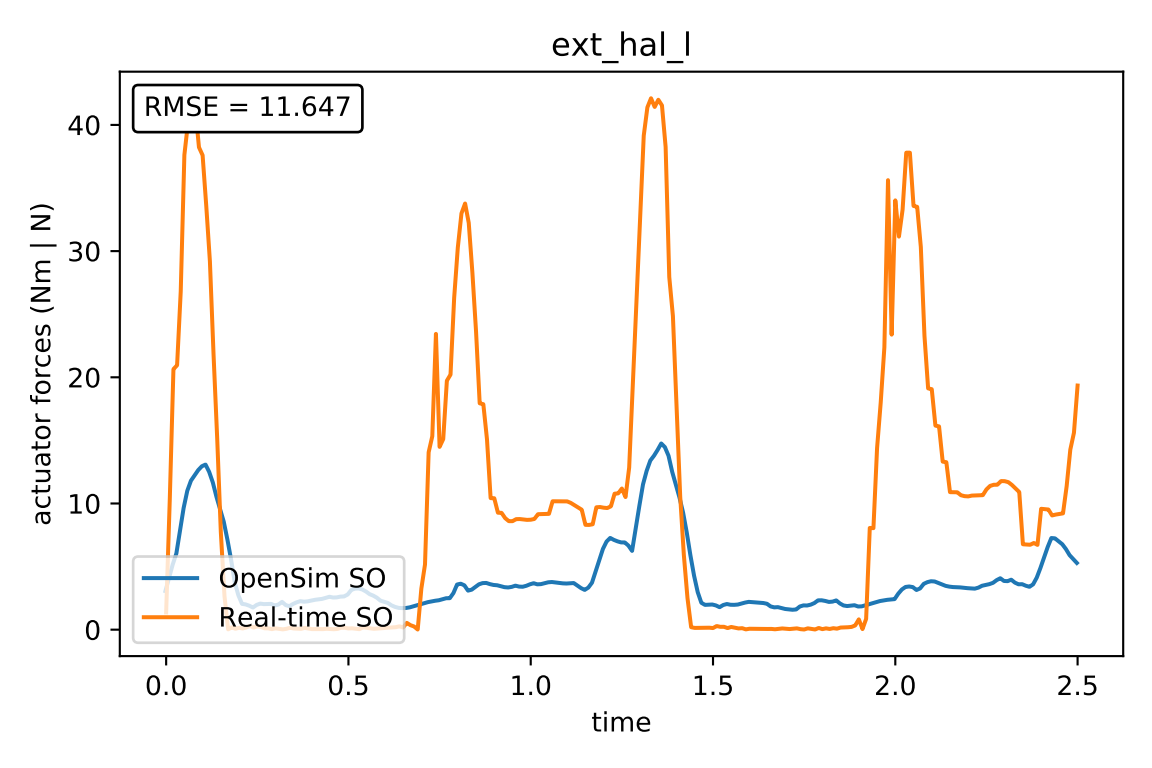

tib_ant_l
RMSE = 107.886
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
0.0
0.5
1.0
1.5
2.0
2.5

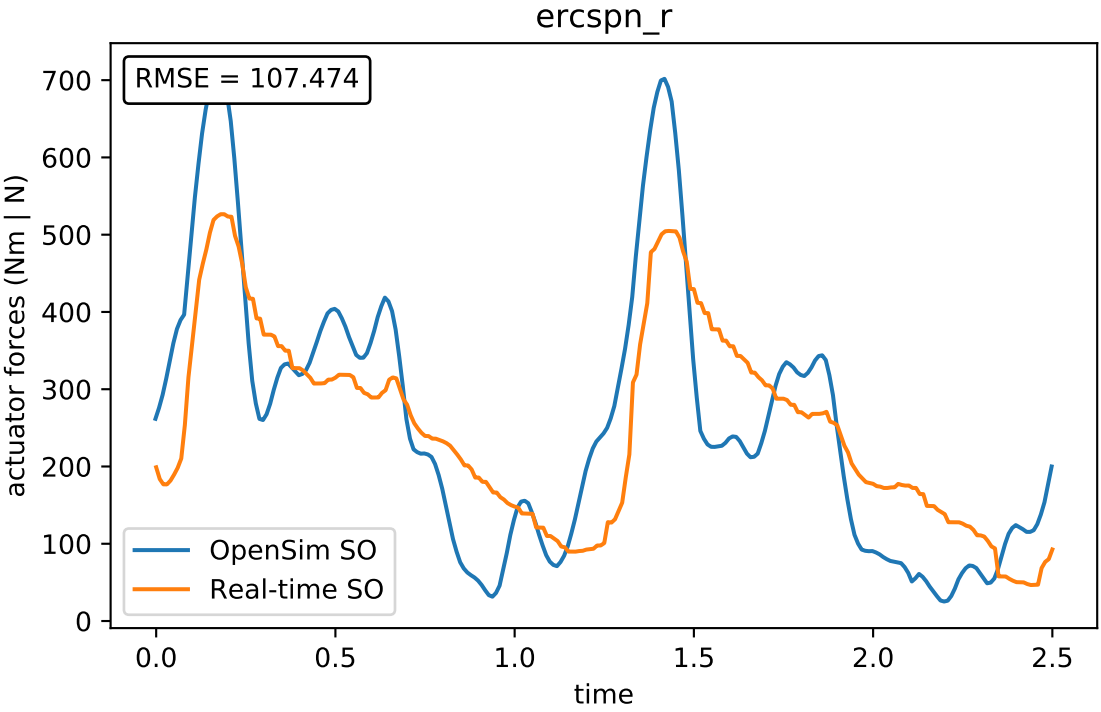

per_brev_l
RMSE = 13.806
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
5
10
15
20
25
30
0.0
0.5
1.0
1.5
2.0
2.5

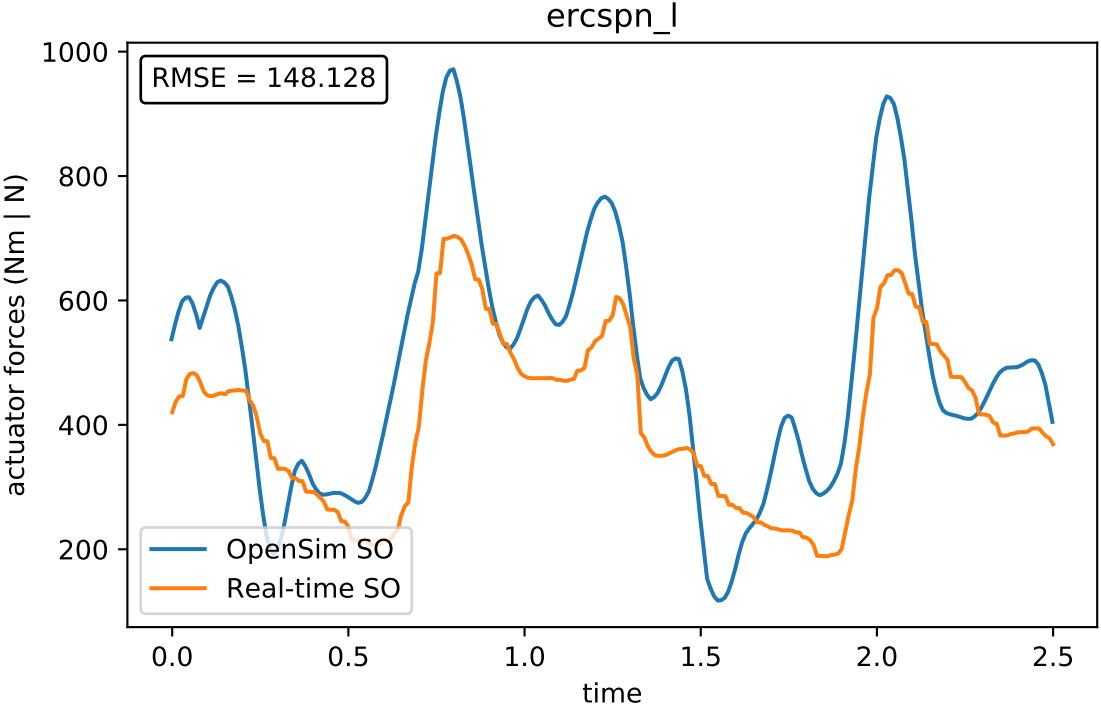

per_long_l
RMSE = 40.763
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5

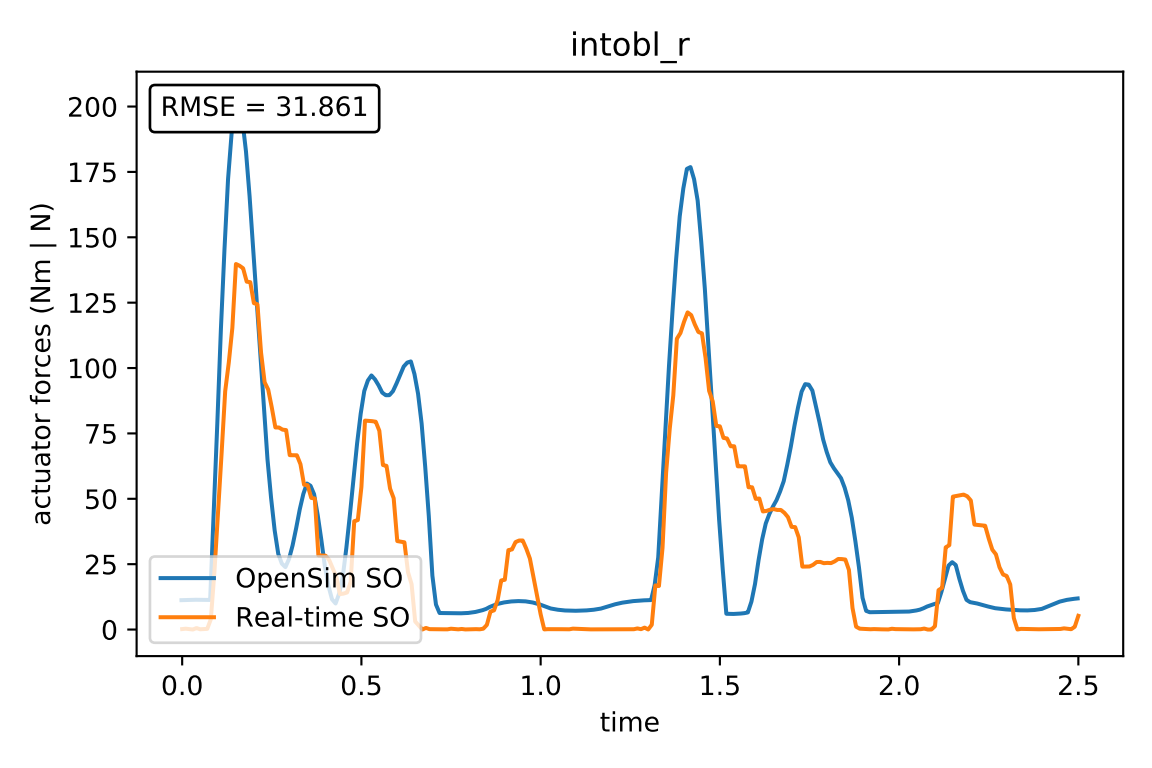

per_tert_l
RMSE = 7.564
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
5
10
15
20
25
0.0
0.5
1.0
1.5
2.0
2.5

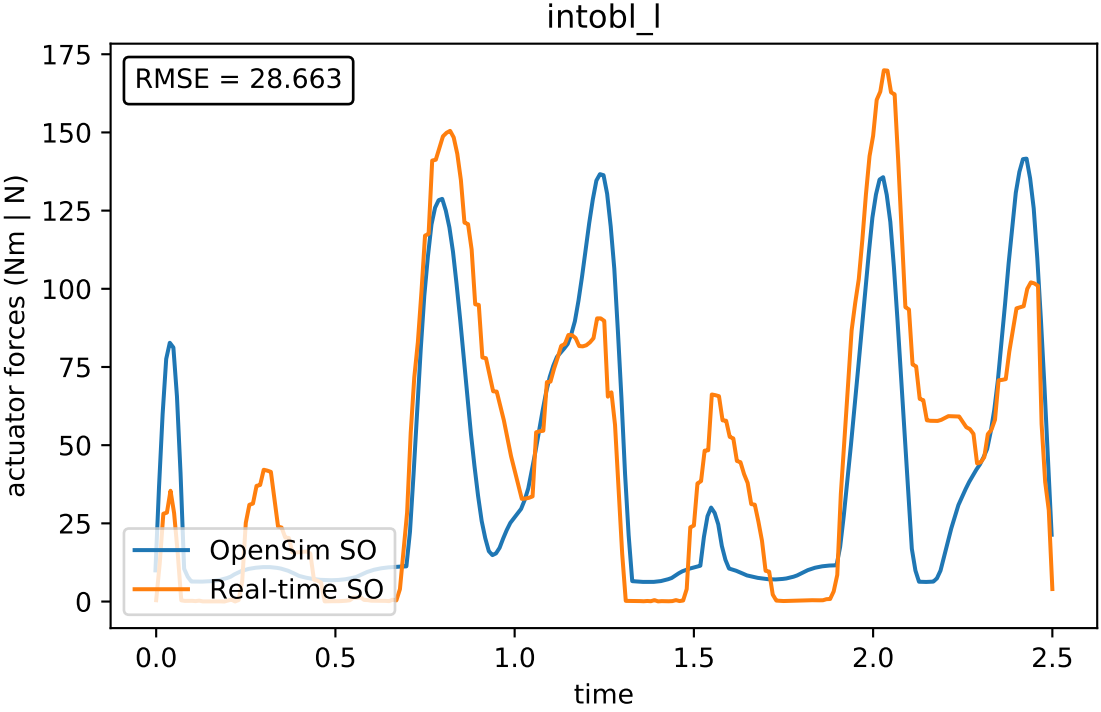

ext_dig_l
RMSE = 29.38
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
140
0.0
0.5
1.0
1.5
2.0
2.5

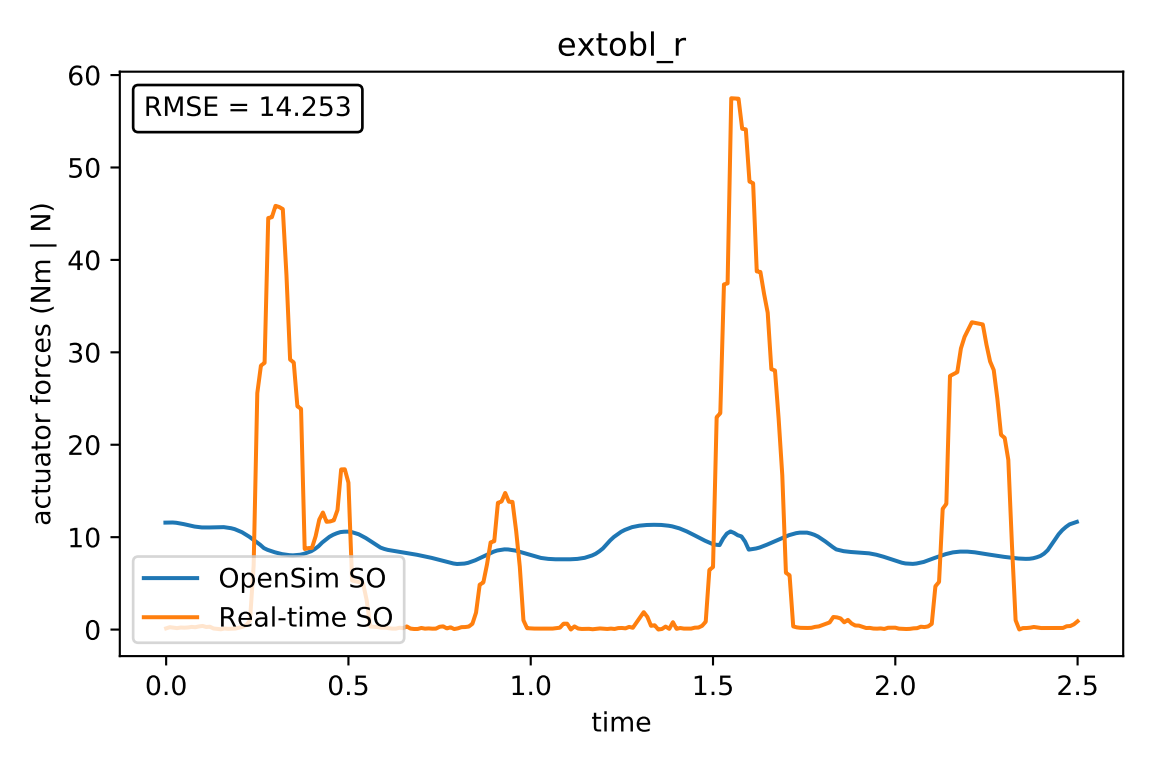

ext_hal_l
RMSE = 11.647
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
0.0
0.5
1.0
1.5
2.0
2.5

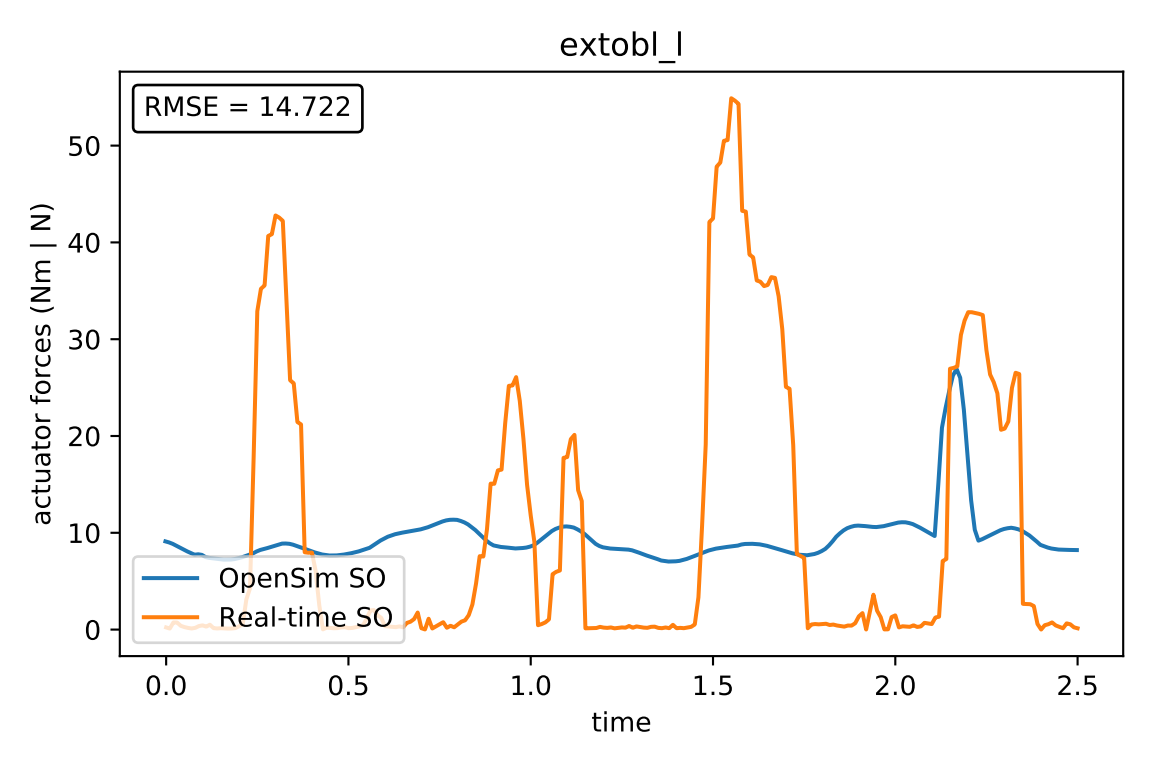

ercspn_r
RMSE = 107.474
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
600
700
0.0
0.5
1.0
1.5
2.0
2.5


ercspn_l
RMSE = 148.128
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
1000
800
600
400
200
0.0
0.5
1.0
1.5
2.0
2.5


intobl_r
RMSE = 31.861
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
200
175
150
125
100
75
50
25
0
0.0
0.5
1.0
1.5
2.0
2.5


intobl_l
RMSE = 28.663
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
175
150
125
100
75
50
25
0
0.0
0.5
1.0
1.5
2.0
2.5


extobl_r
RMSE = 14.253
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
60
50
40
30
20
10
0
0.0
0.5
1.0
1.5
2.0
2.5


extobl_l
RMSE = 14.722
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
10
20
30
40
50
0.0
0.5
1.0
1.5
2.0
2.5