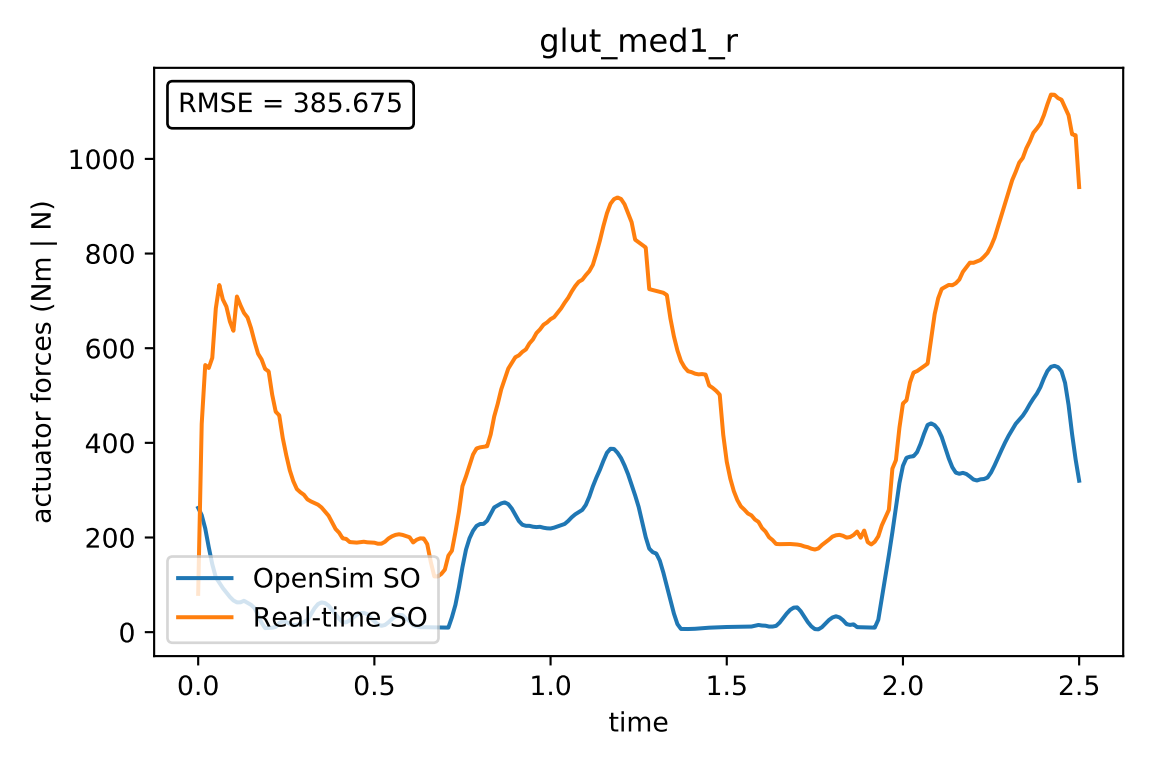
glut_med1_r
RMSE = 385.675
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
200
400
600
800
1000
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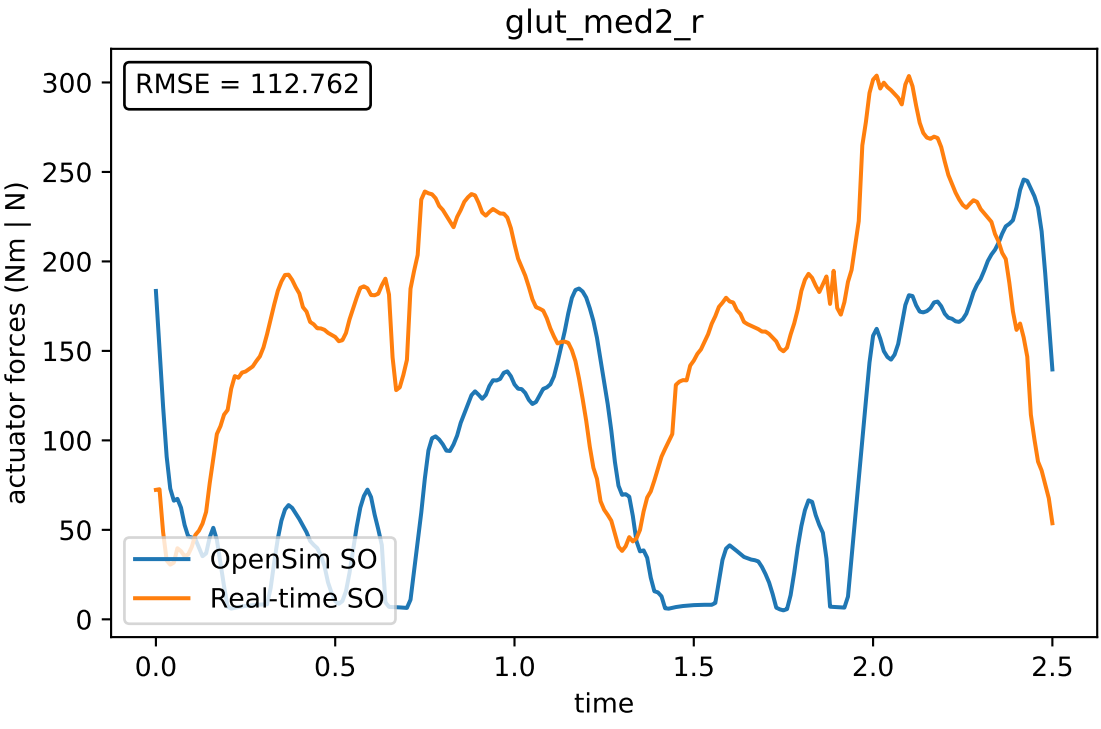
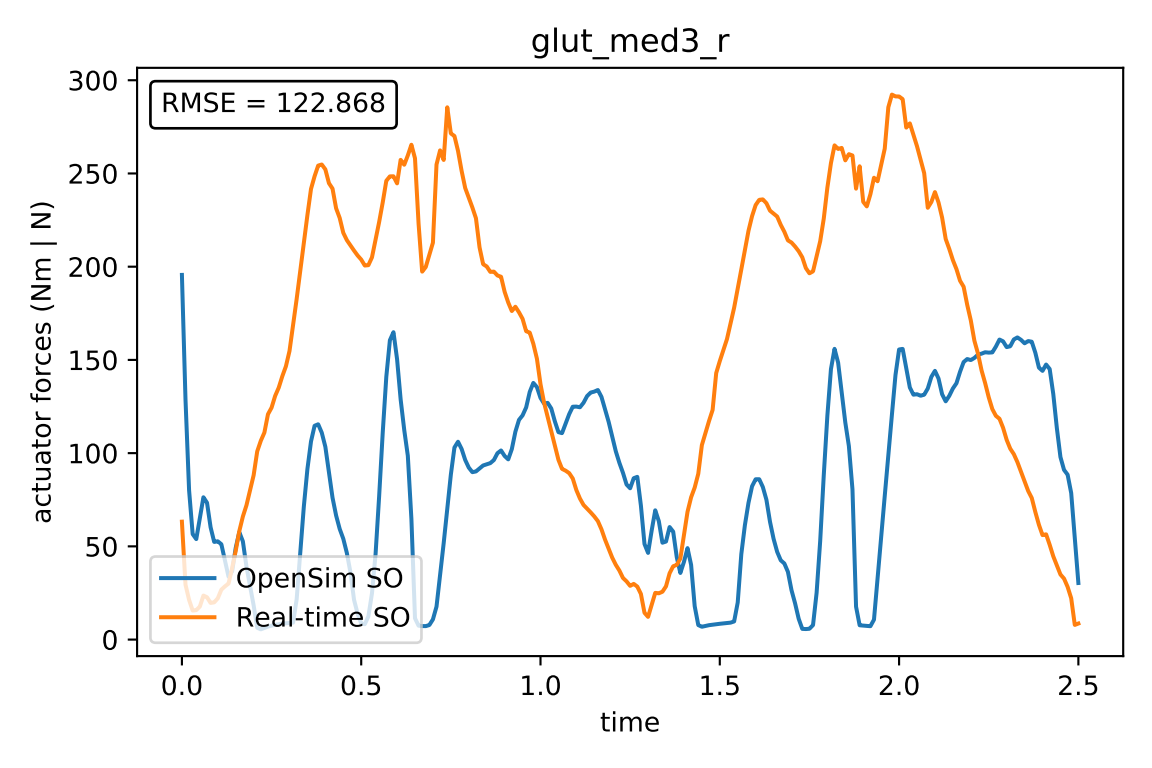
0.5
1.0
1.5
2.0
2.5


glut_med2_r
RMSE = 112.762
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


glut_med3_r
RMSE = 122.868
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
300
250
200
150
100
50
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0.5
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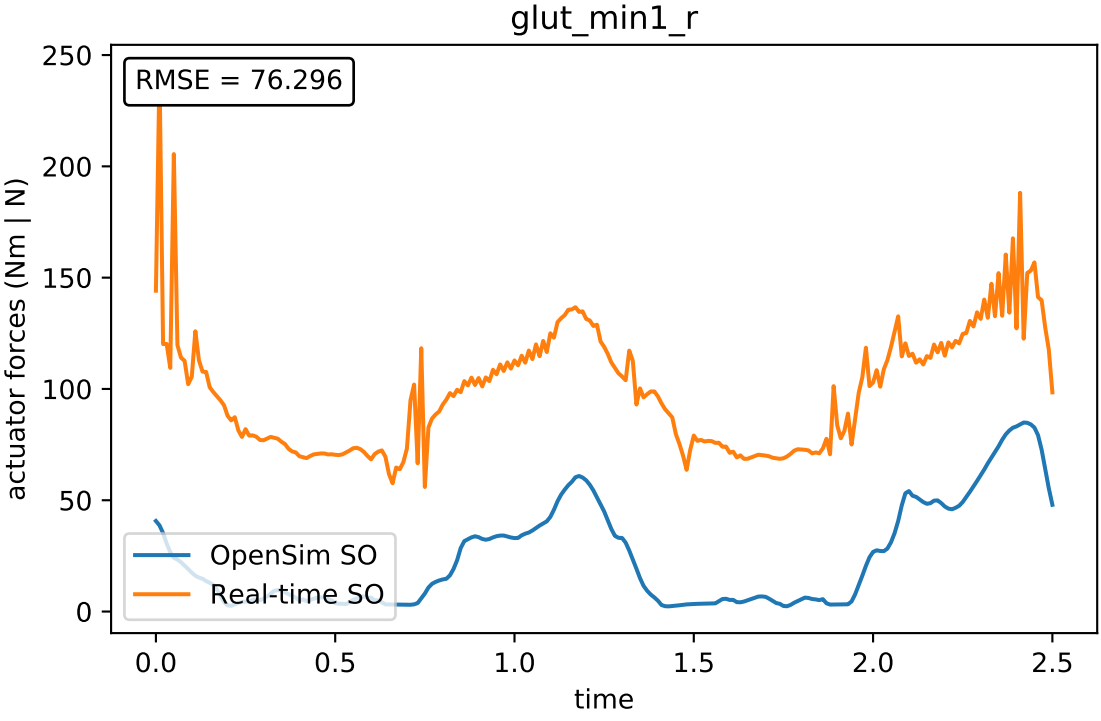
1.5
2.0
2.5


glut_min1_r
RMSE = 76.296
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
250
200
150
100
50
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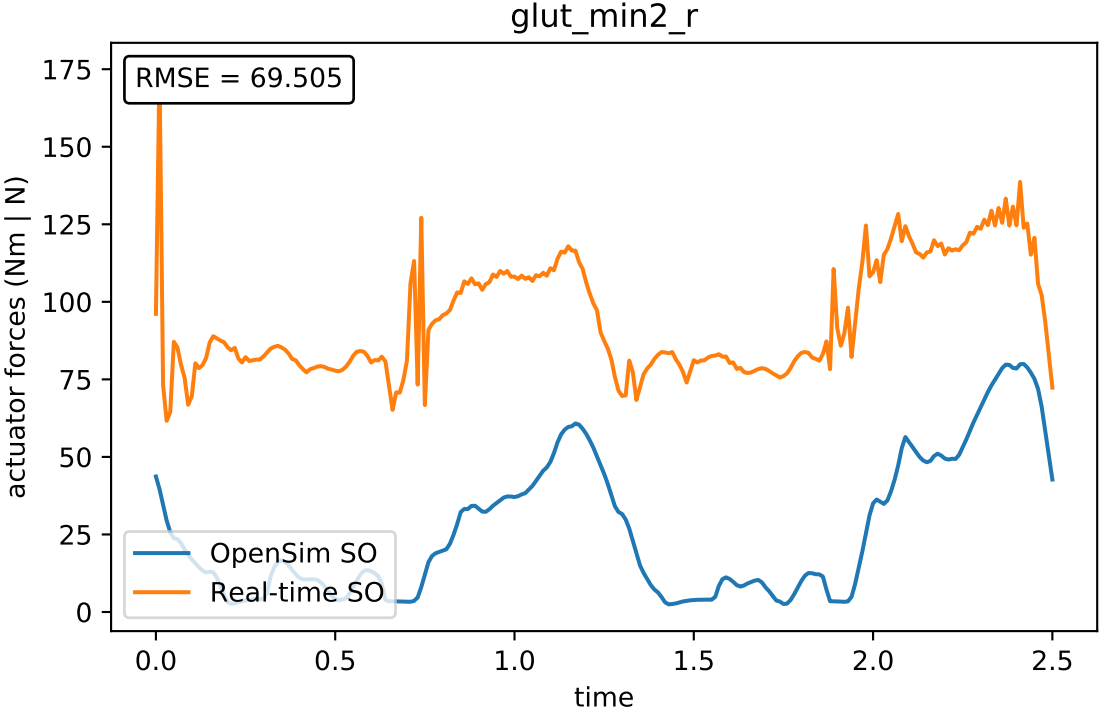
2.5


glut_min2_r
RMSE = 69.505
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
175
150
125
100
75
50
25
0
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0.5
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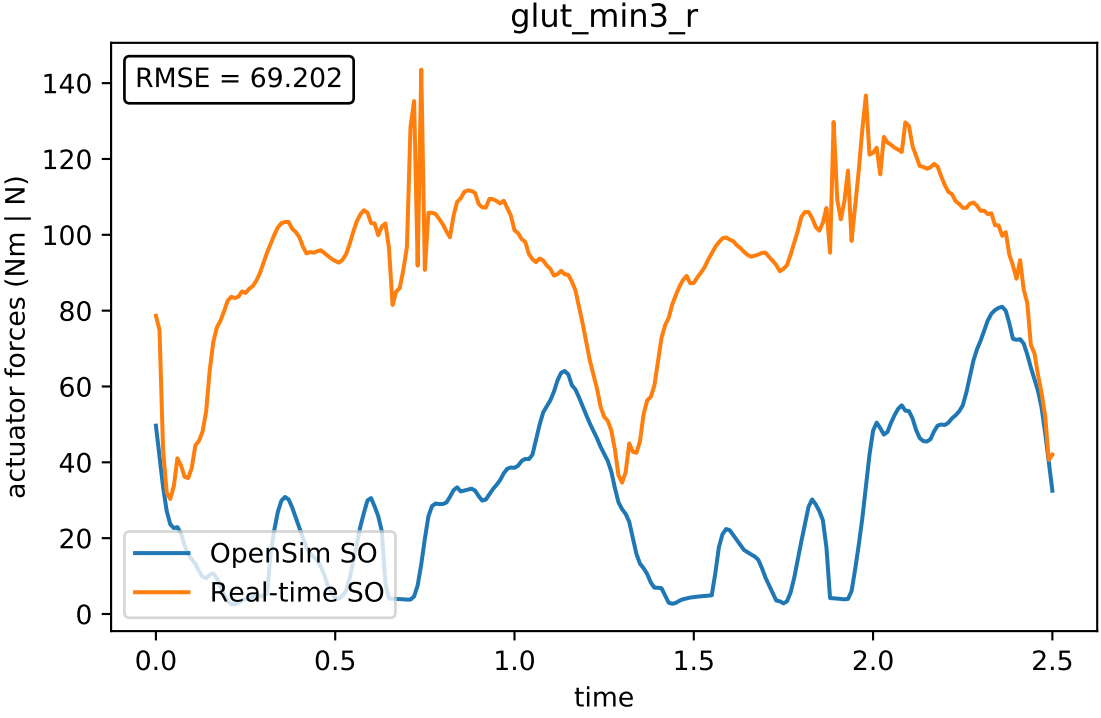
1.5
2.0
2.5


glut_min3_r
RMSE = 69.202
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
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40
60
80
100
120
140
0.0
0.5
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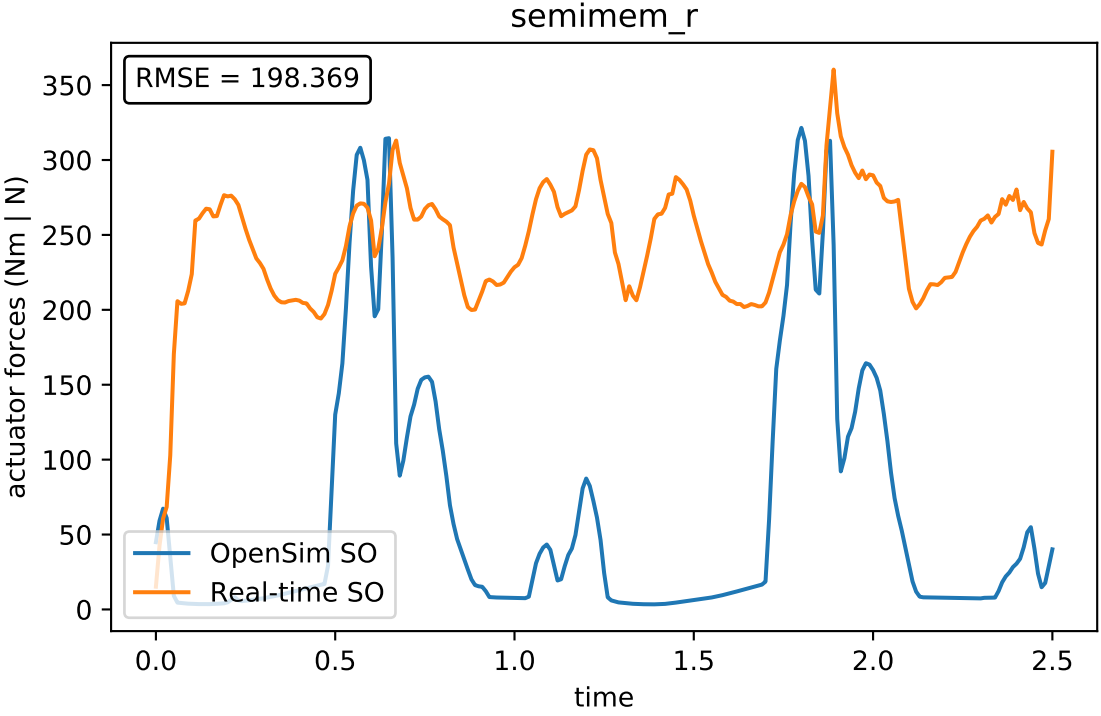
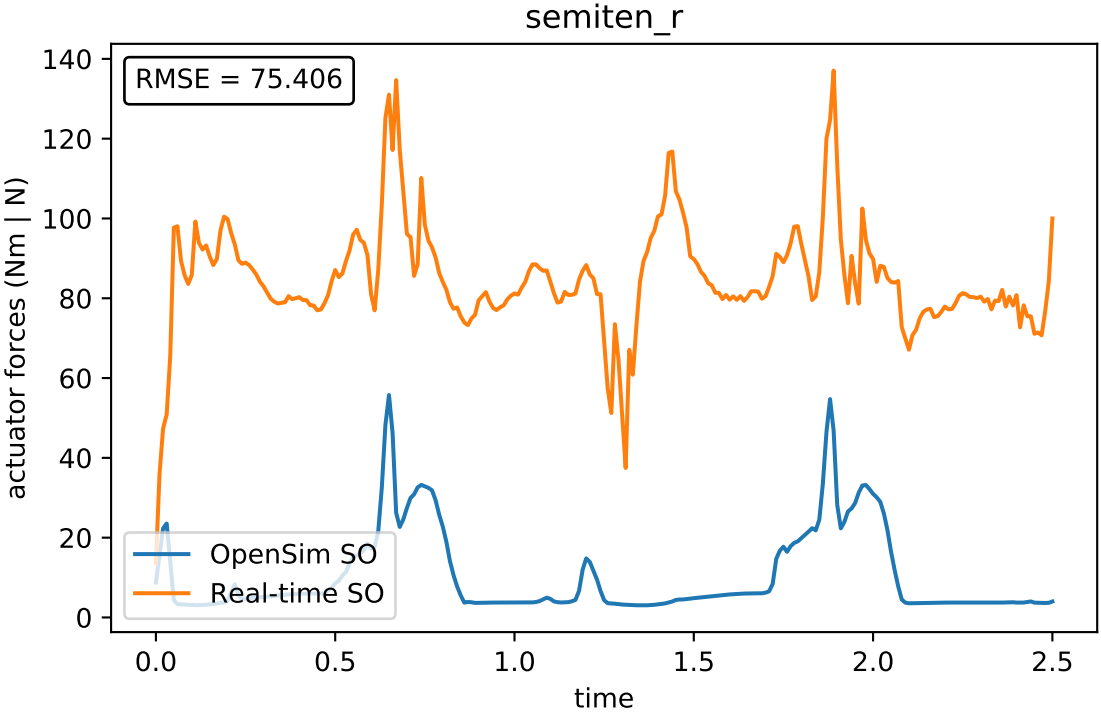
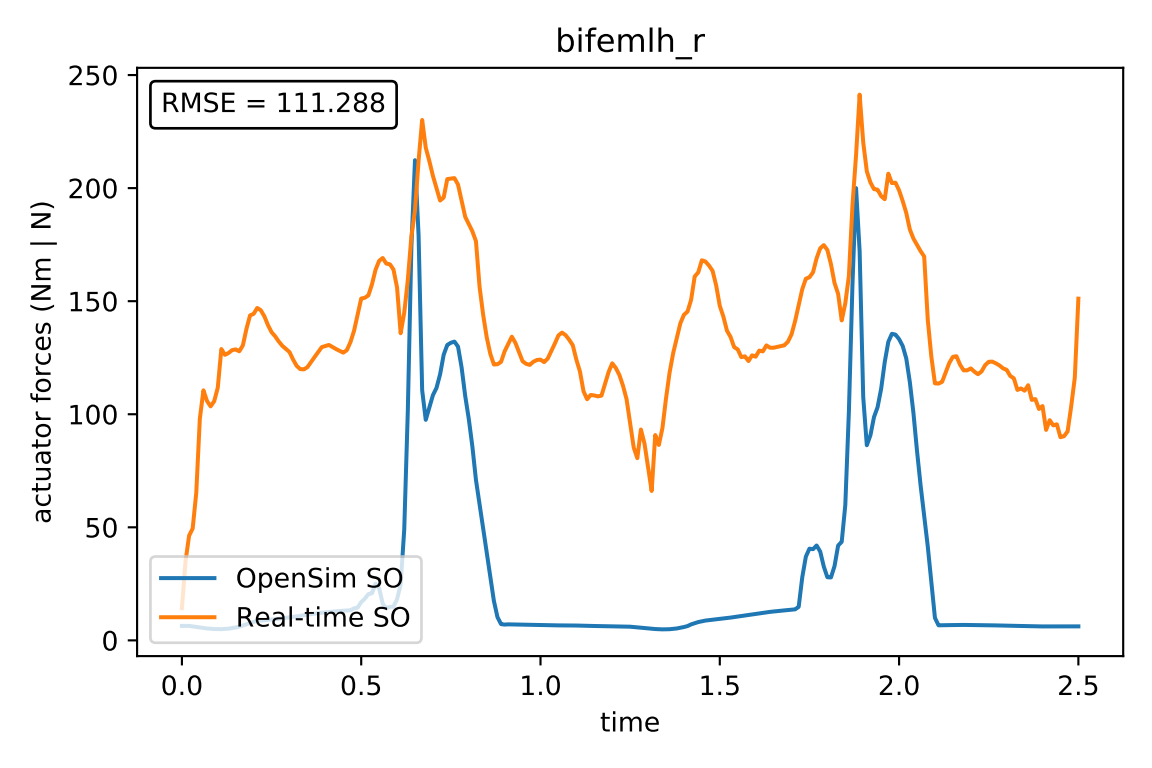
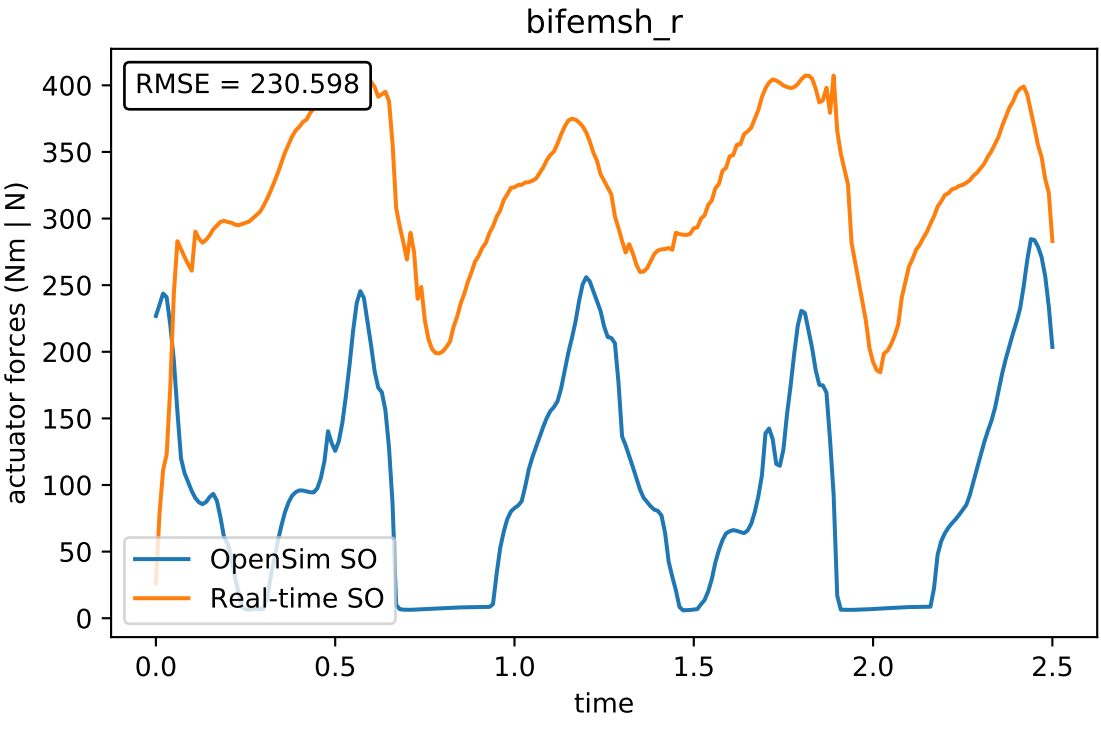
1.5
2.0
2.5


semimem_r
RMSE = 198.369
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
300
350
0.0
0.5
1.0
1.5
2.0
2.5


semiten_r
RMSE = 75.406
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


bifemlh_r
RMSE = 111.288
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


bifemsh_r
RMSE = 230.598
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
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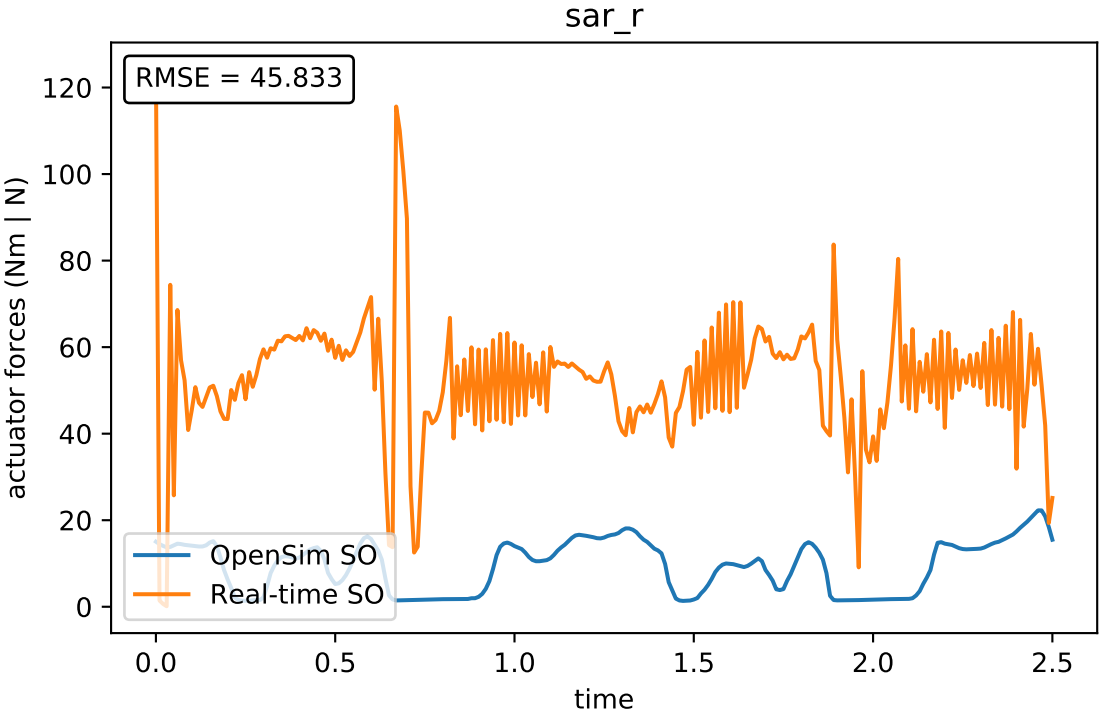
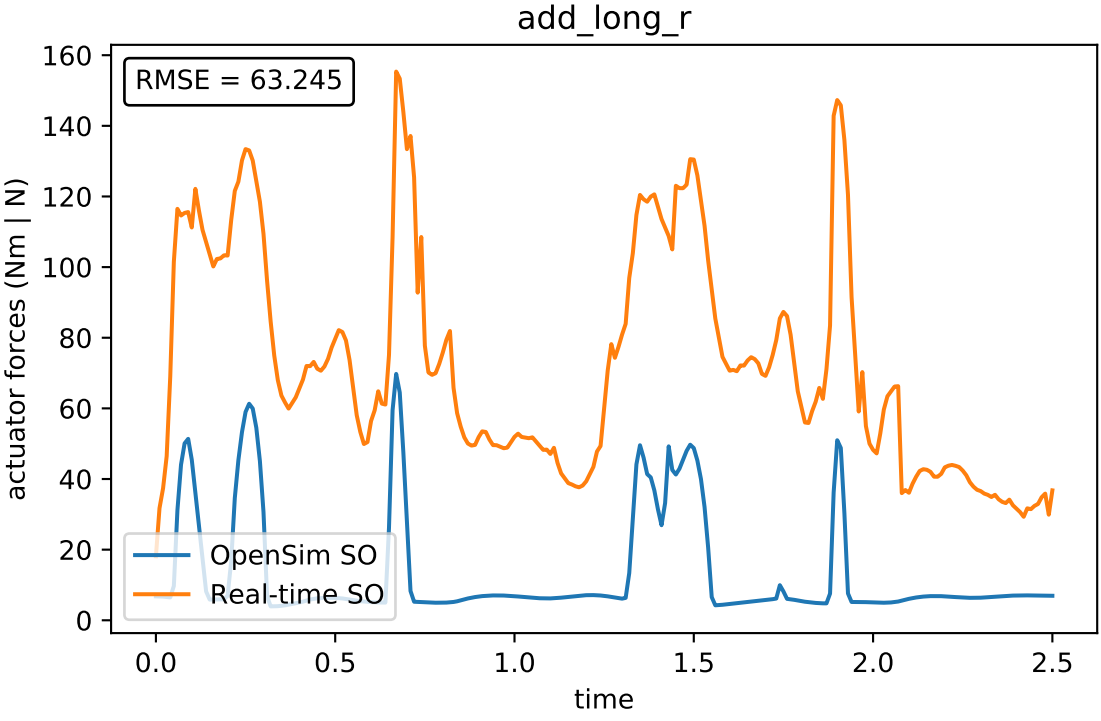
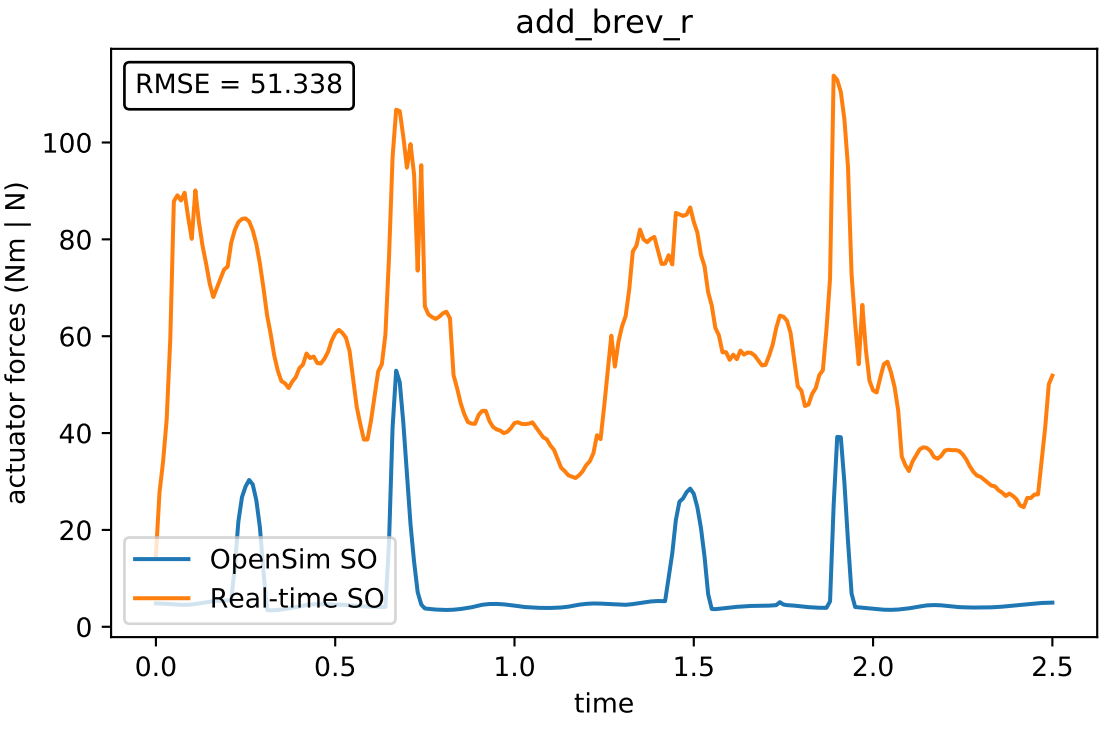
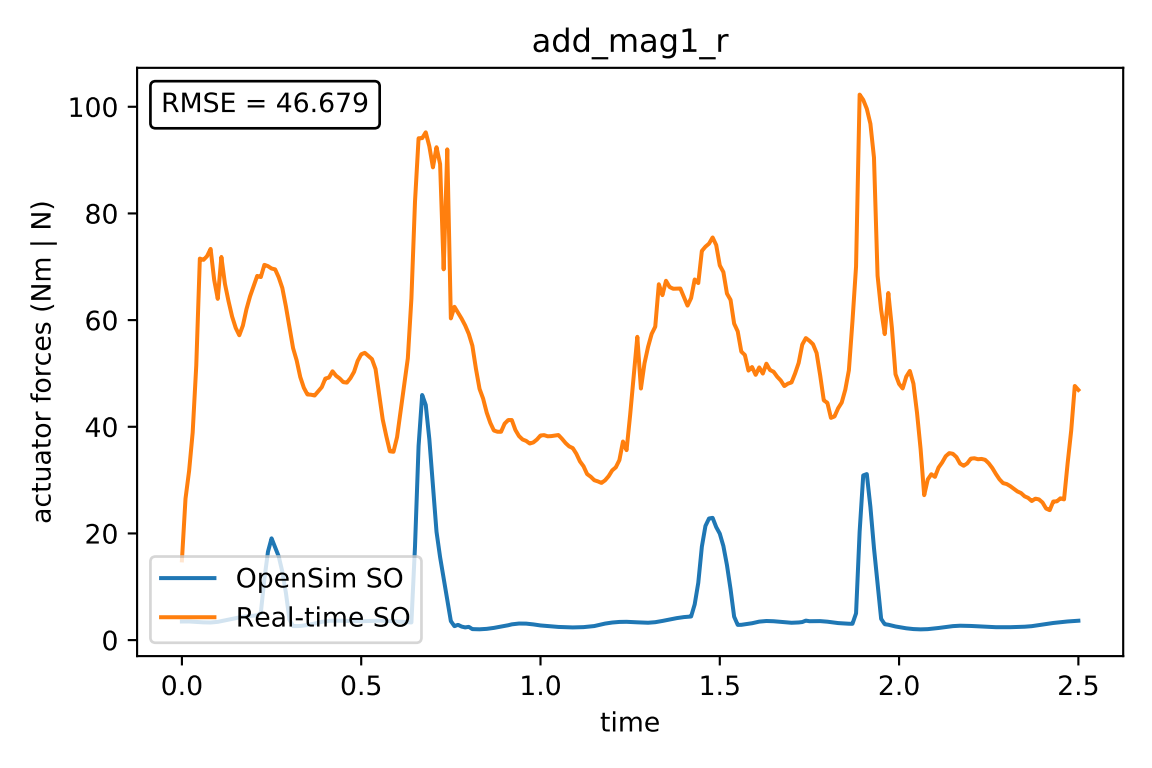
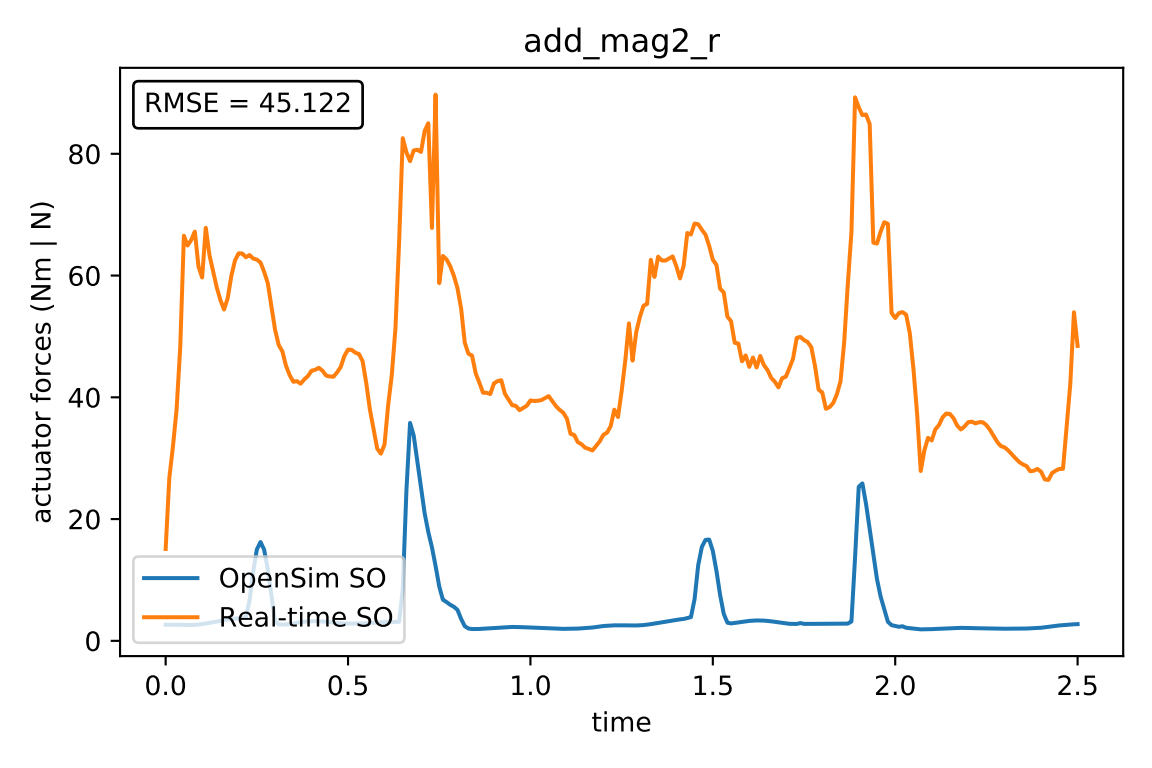
100
150
200
250
300
350
400
0.0
0.5
1.0
1.5
2.0
2.5

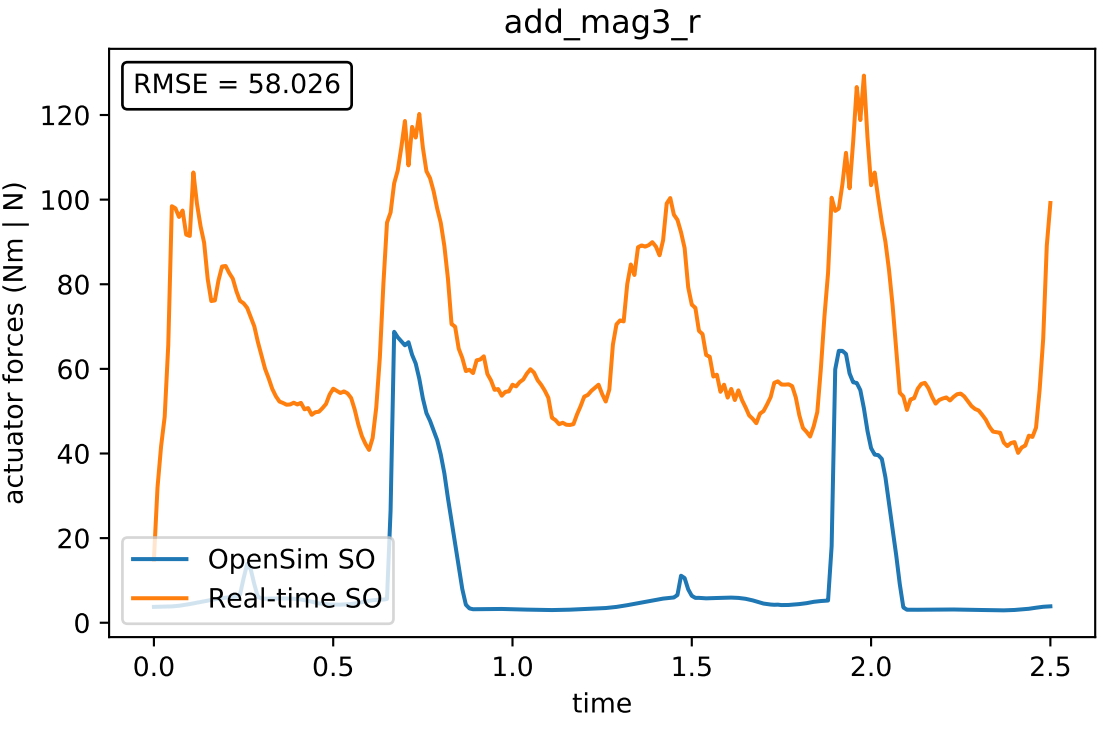

sar_r
RMSE = 45.833
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

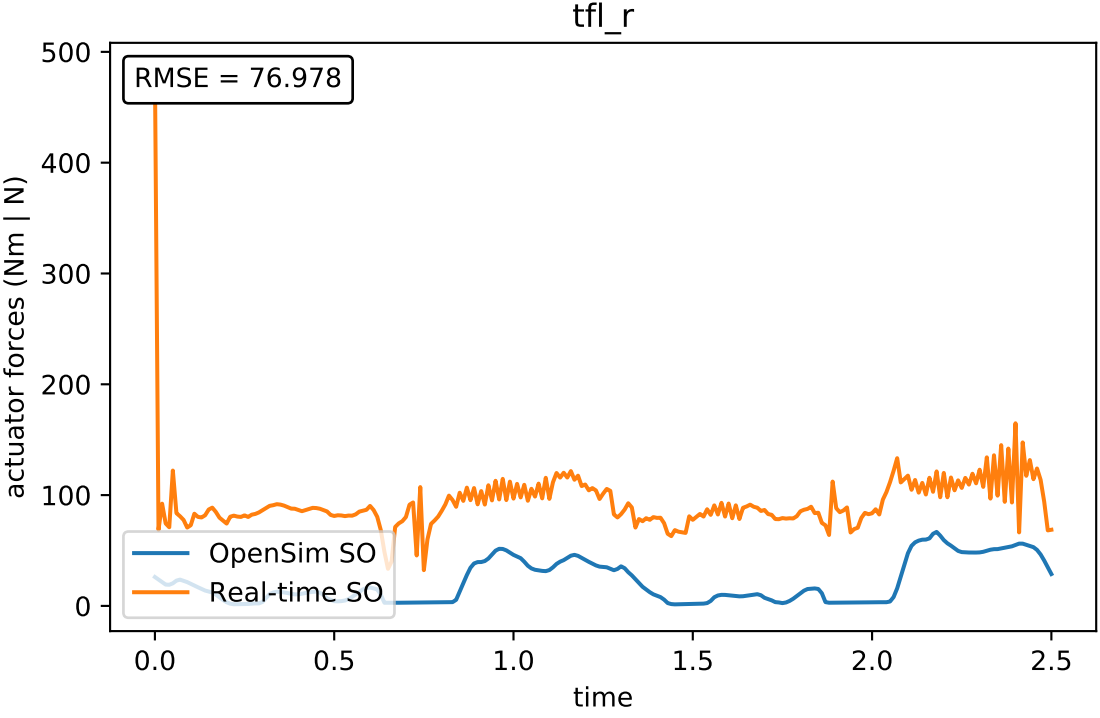

add_long_r
RMSE = 63.245
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
140
160
0.0
0.5
1.0
1.5
2.0
2.5

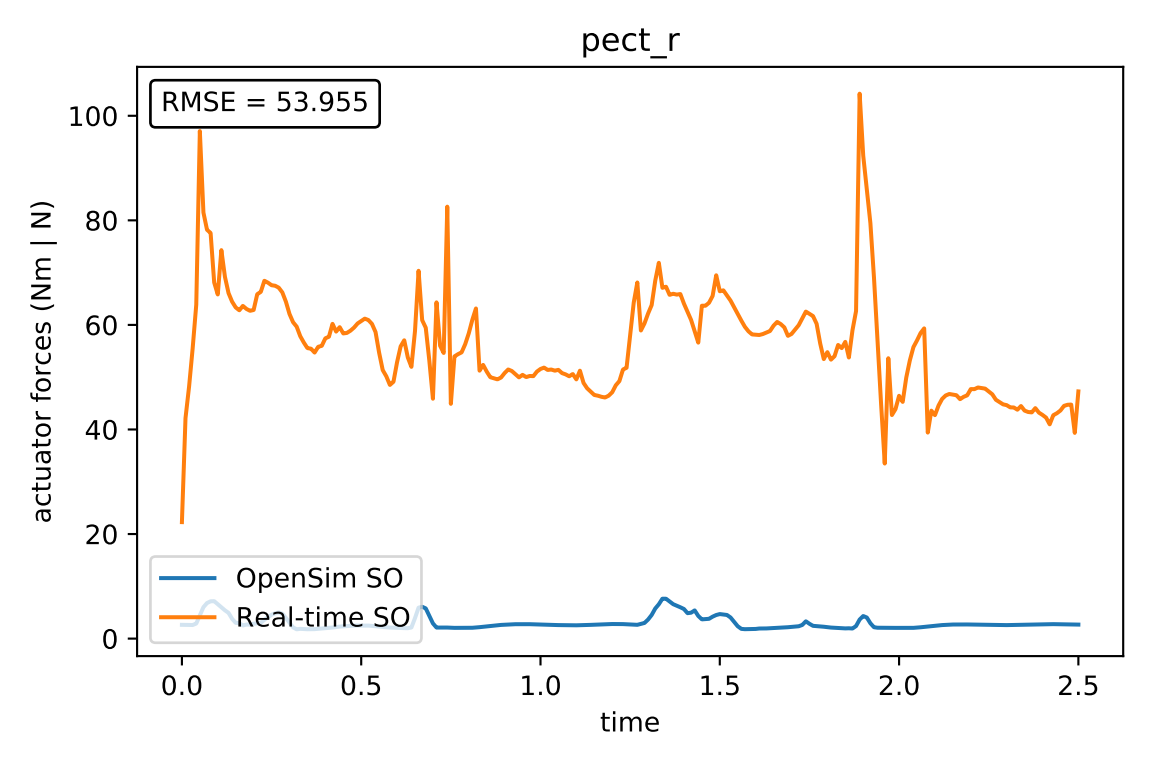

add_brev_r
RMSE = 51.338
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

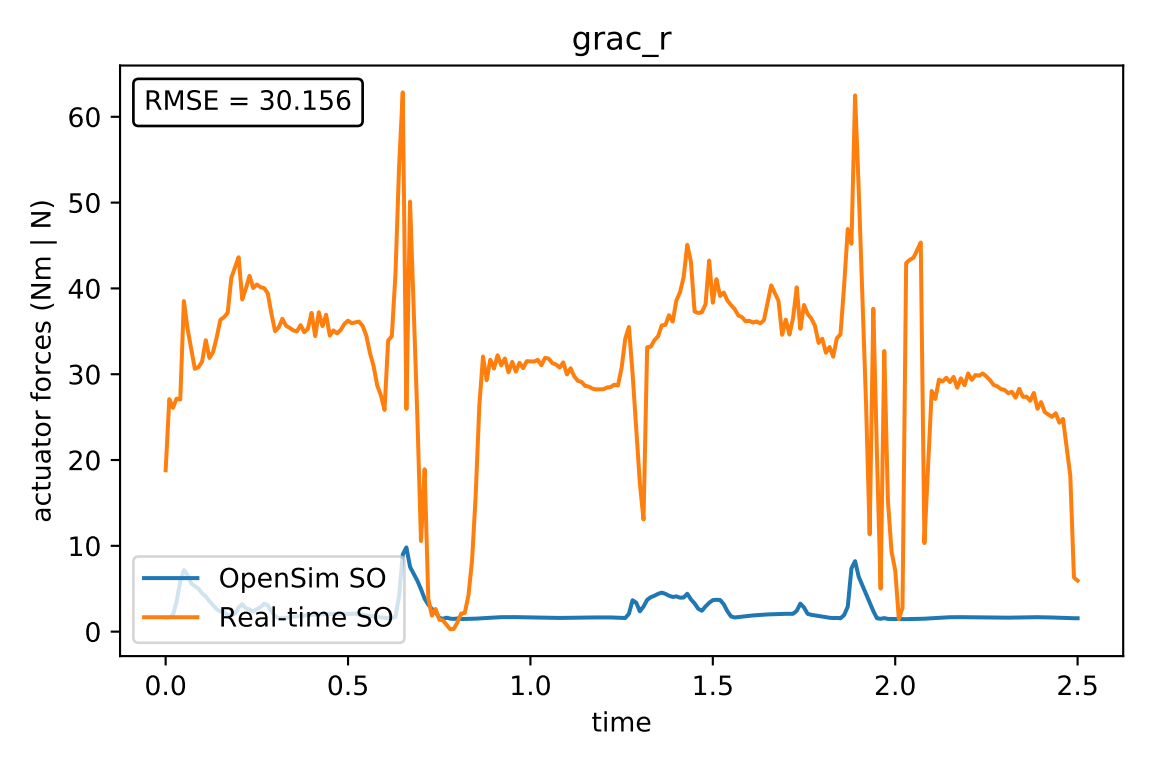

add_mag1_r
RMSE = 46.679
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5


add_mag2_r
RMSE = 45.122
actuator forces (Nm | N)
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5
time
OpenSim SO
Real-time SO


add_mag3_r
RMSE = 58.026
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5


tfl_r
RMSE = 76.978
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
500
400
300
200
100
0
0.0
0.5
1.0
1.5
2.0
2.5


pect_r
RMSE = 53.955
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


grac_r
RMSE = 30.156
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
10
20
30
40
50
60
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0.5
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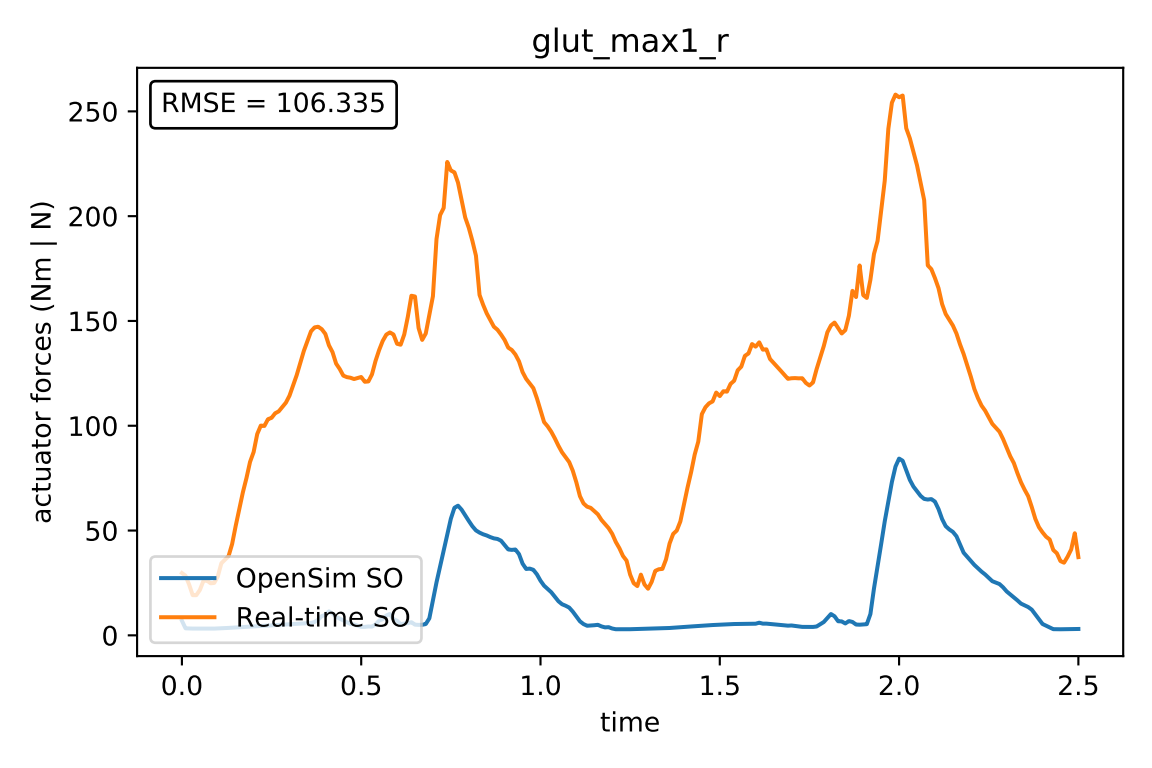
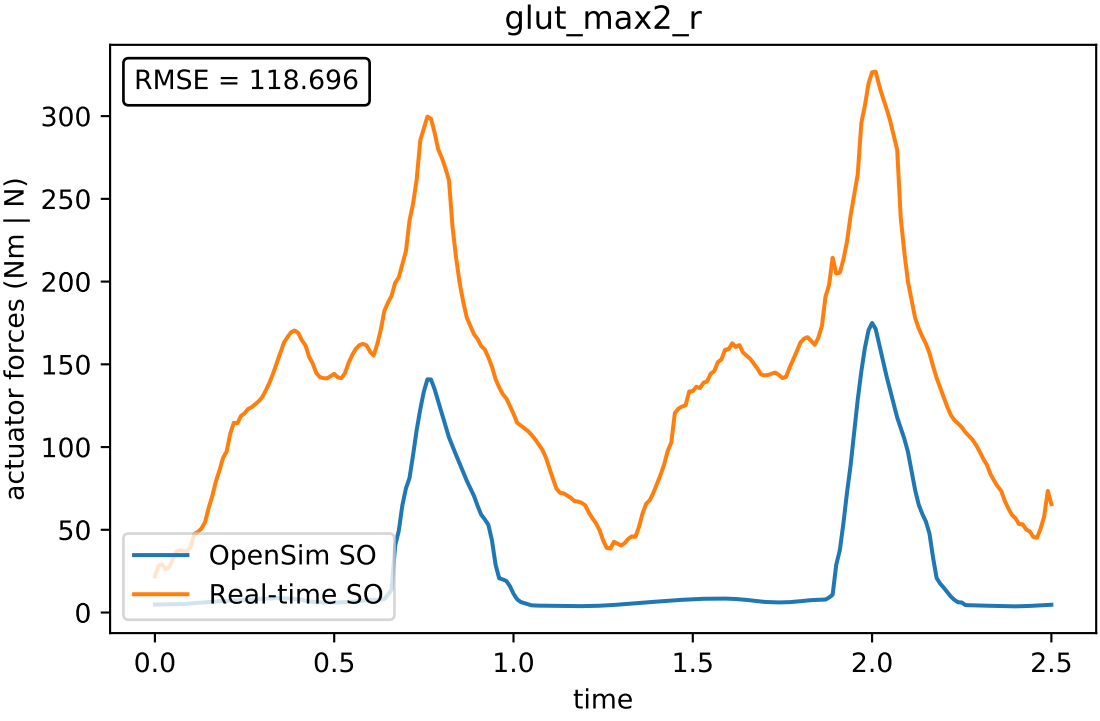
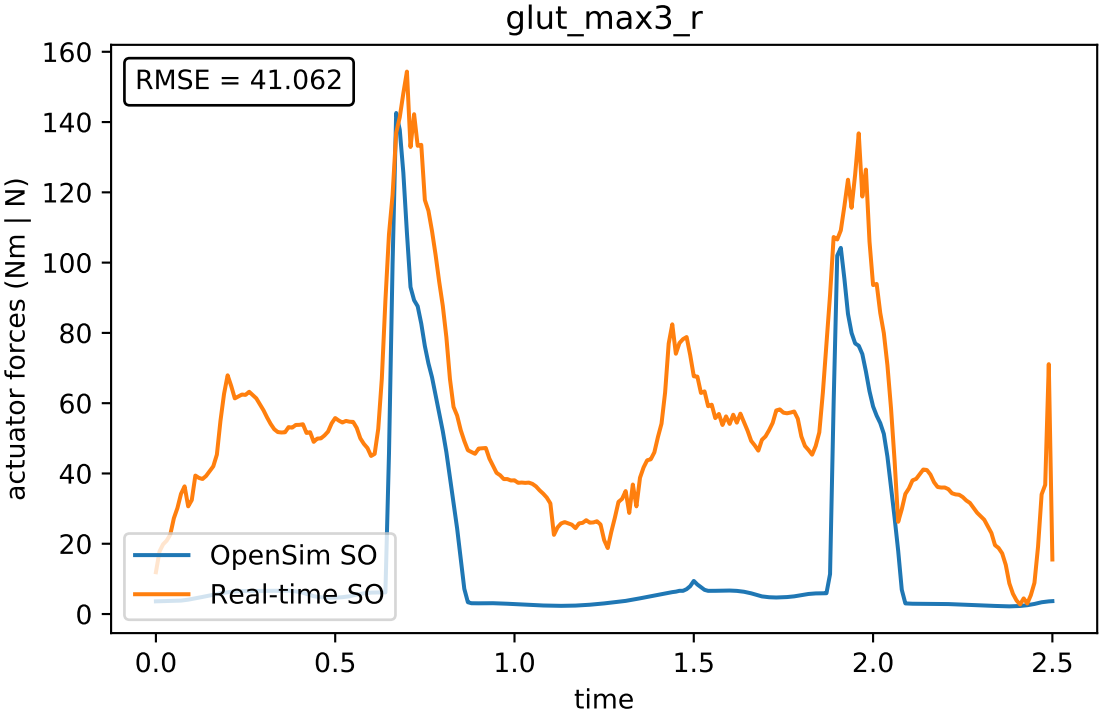
1.5
2.0
2.5


glut_max1_r
RMSE = 106.335
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_max2_r
RMSE = 118.696
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


glut_max3_r
RMSE = 41.062
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
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60
80
100
120
140
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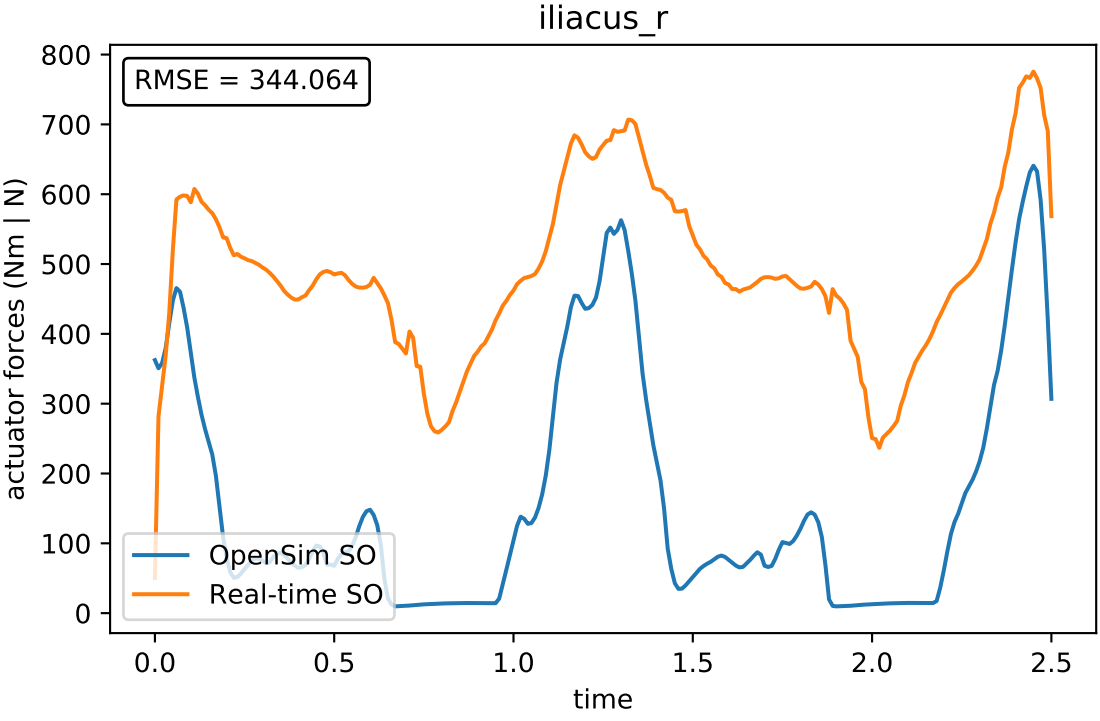
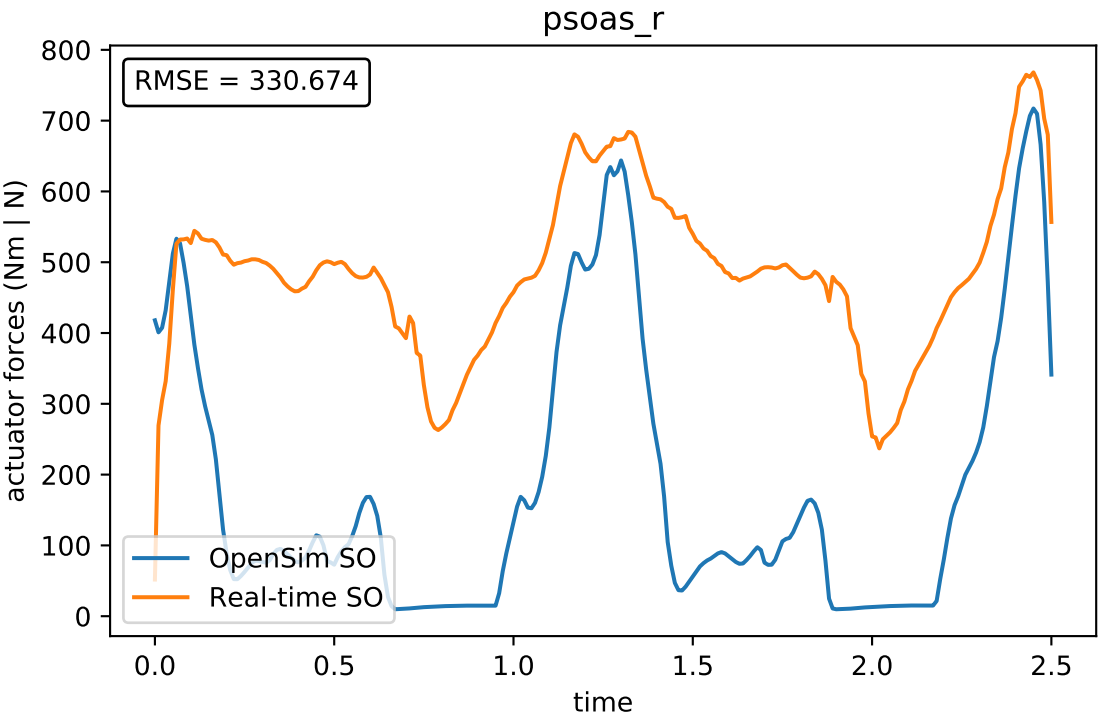
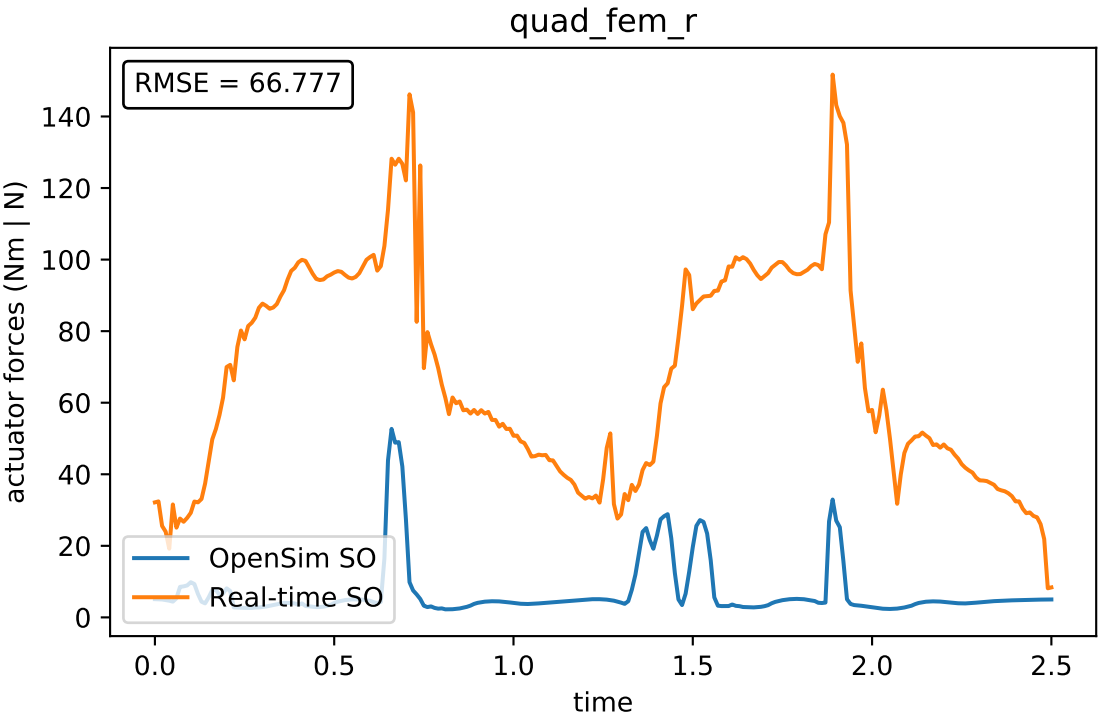
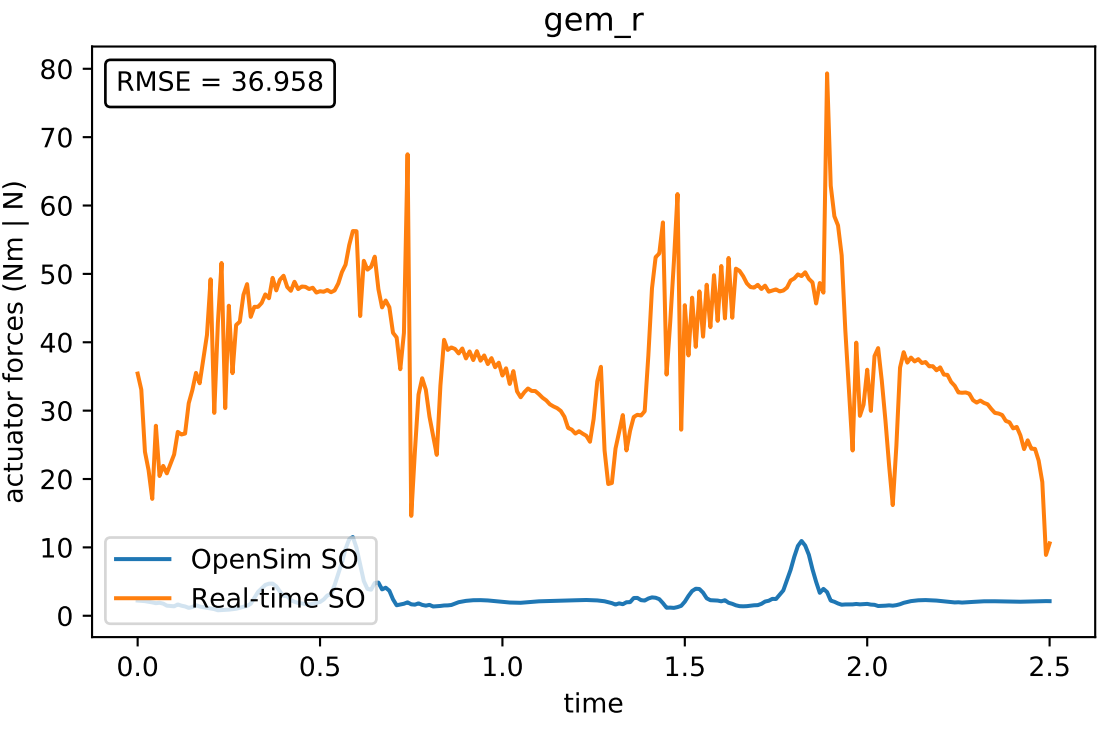
2.5


iliacus_r
RMSE = 344.064
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
800
700
600
500
400
300
200
100
0
0.0
0.5
1.0
1.5
2.0
2.5


psoas_r
RMSE = 330.674
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
800
700
600
500
400
300
200
100
0
0.0
0.5
1.0
1.5
2.0
2.5


quad_fem_r
RMSE = 66.777
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


gem_r
RMSE = 36.958
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
60
70
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0.5
1.0
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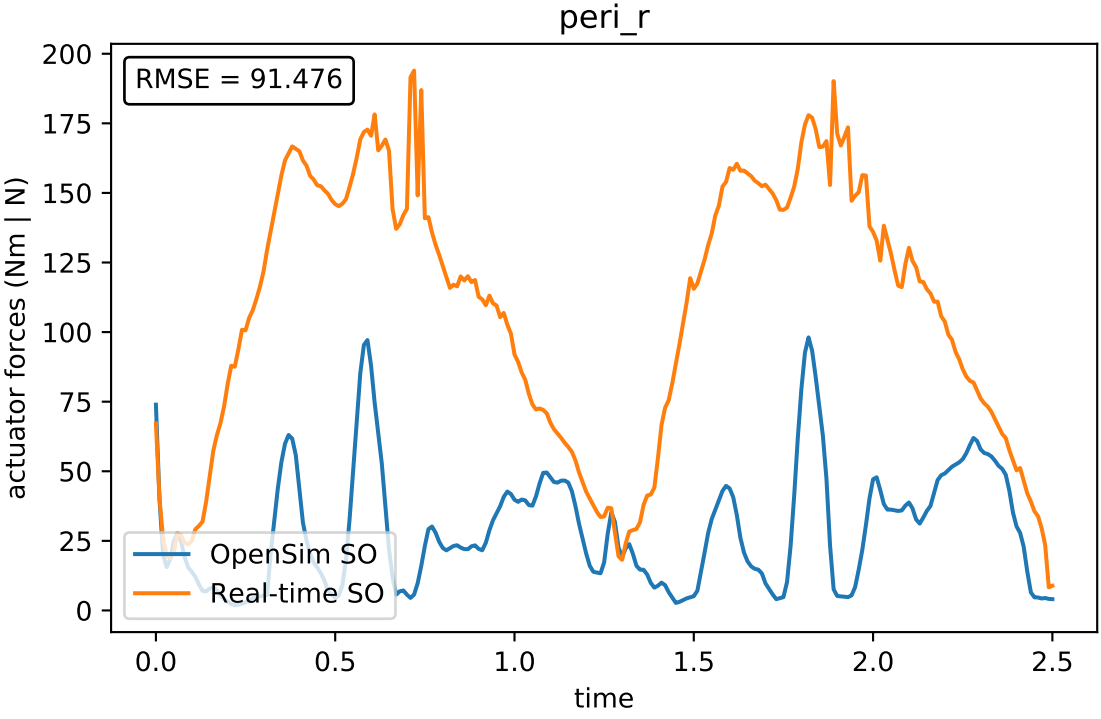
2.5


peri_r
RMSE = 91.476
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
200
175
150
125
100
75
50
25
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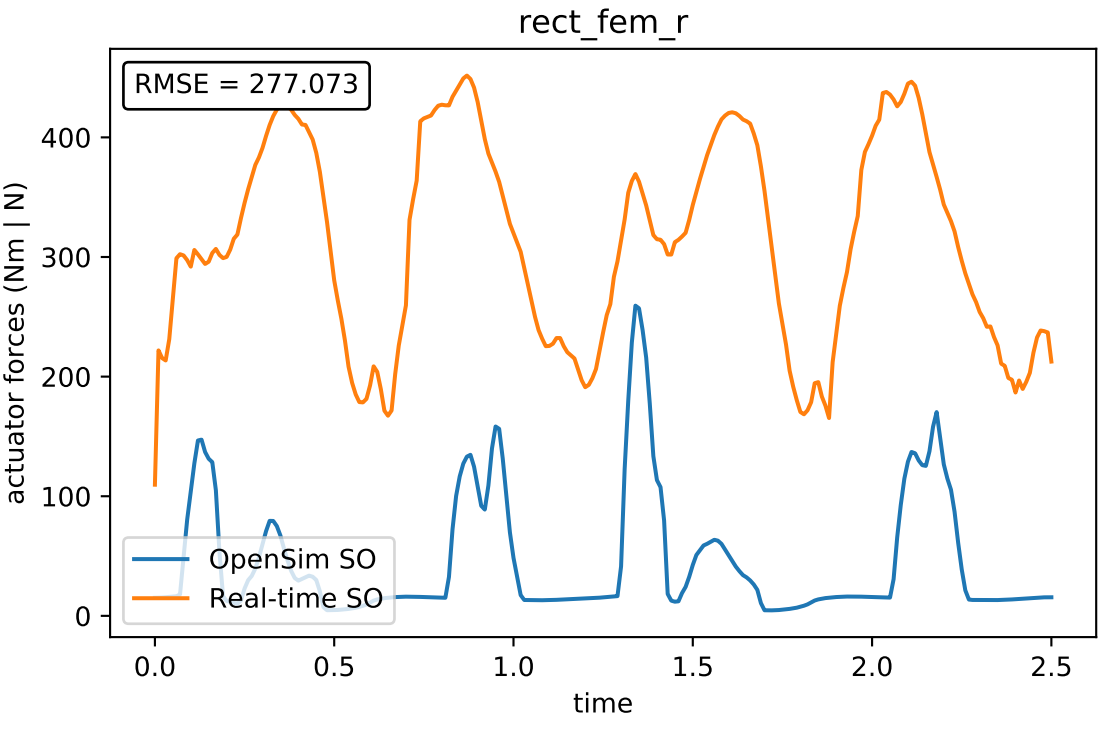
2.5


rect_fem_r
RMSE = 277.073
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
0.0
0.5
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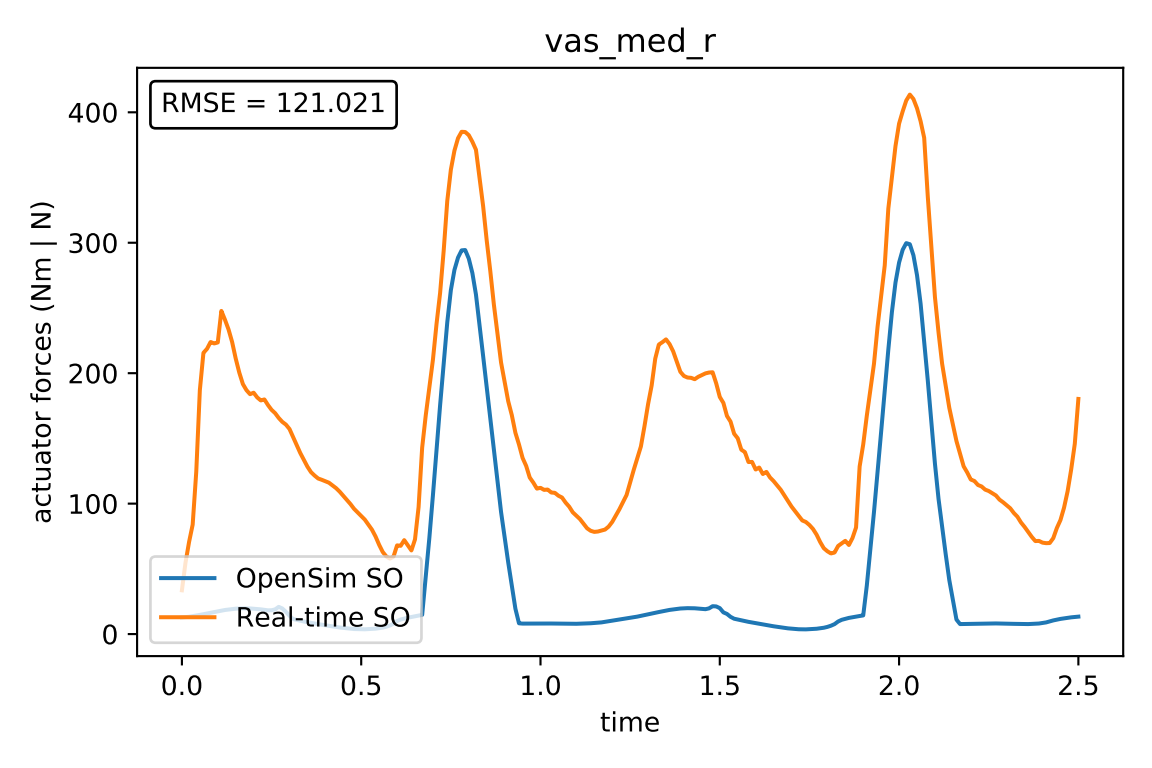
1.5
2.0
2.5


vas_med_r
RMSE = 121.021
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
0.0
0.5
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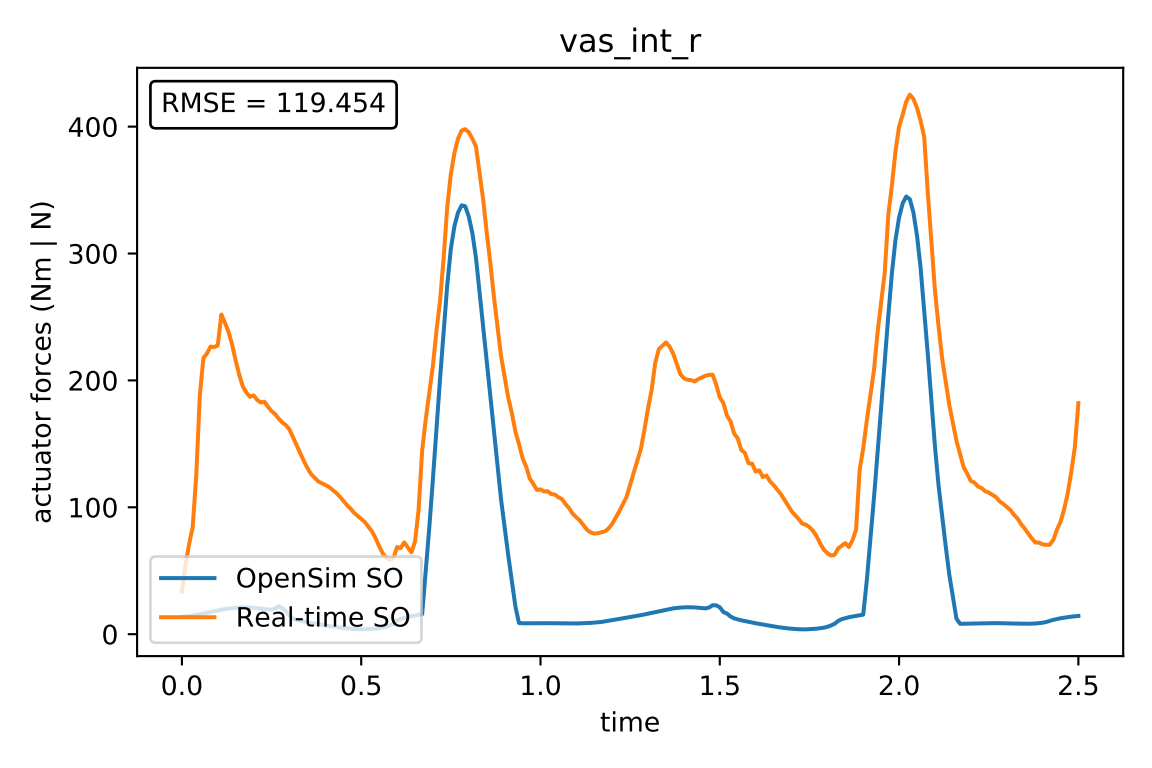
1.5
2.0
2.5


vas_int_r
RMSE = 119.454
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
100
200
300
400
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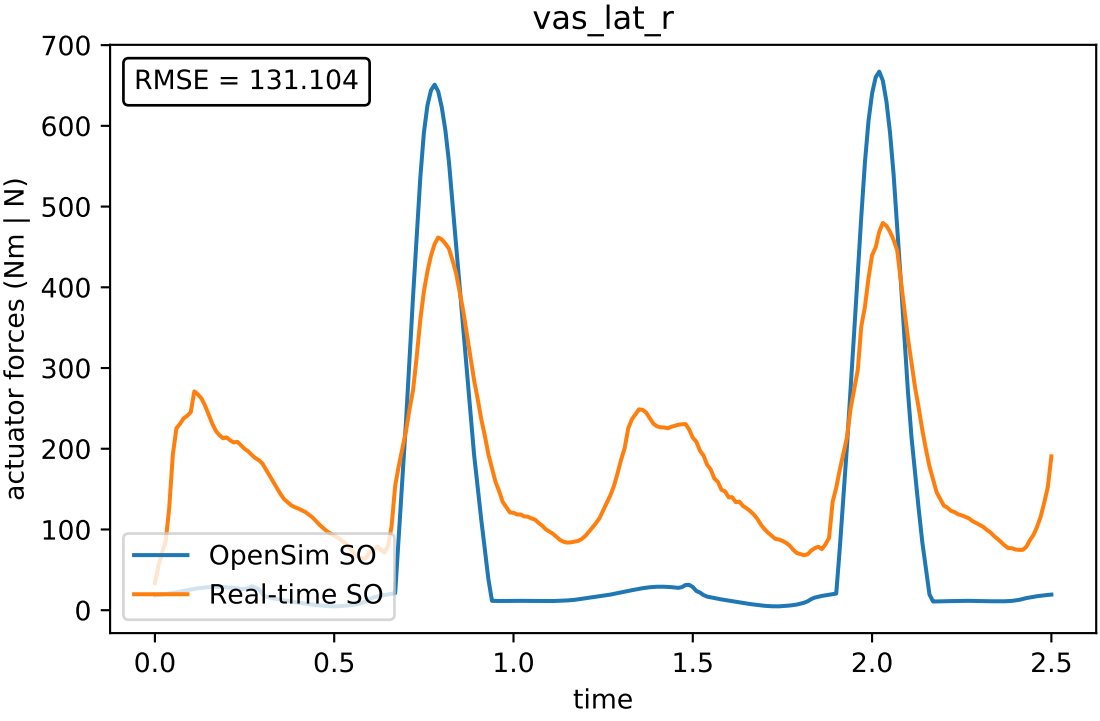
2.5


vas_lat_r
RMSE = 131.104
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
700
600
500
400
300
200
100
0
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0.5
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1.5
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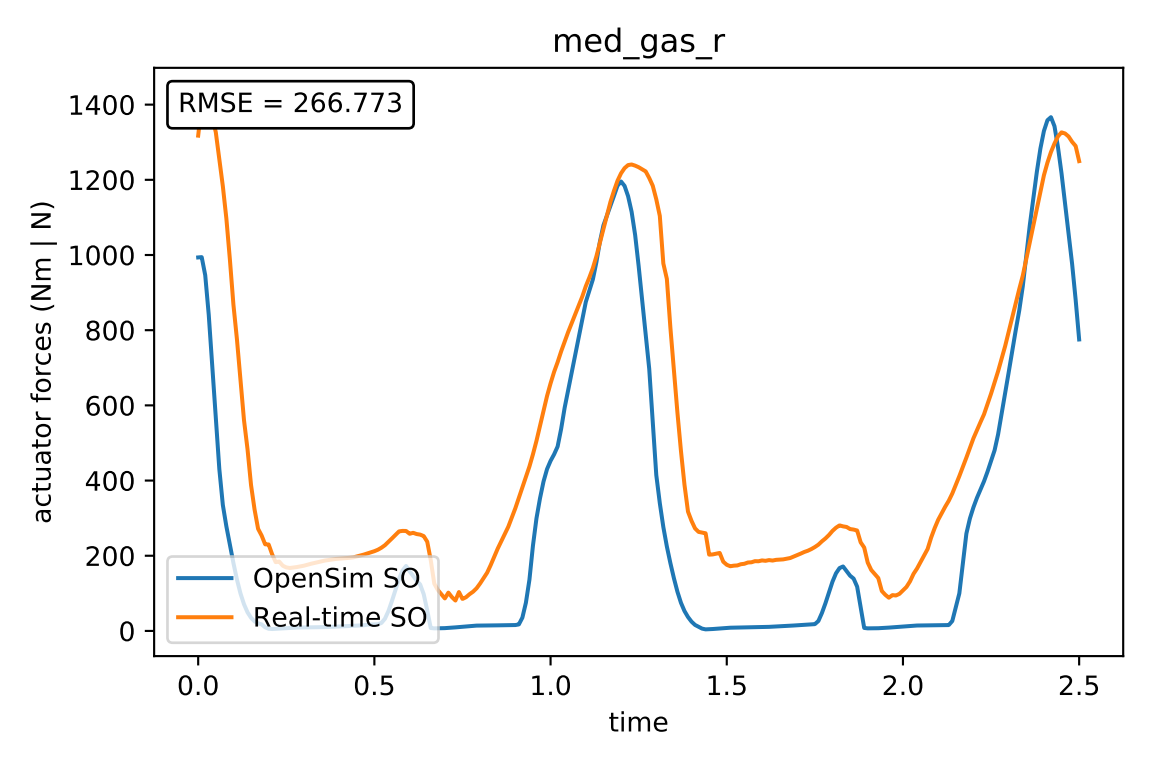
2.5


med_gas_r
RMSE = 266.773
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
200
400
600
800
1000
1200
1400
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0.5
1.0
1.5
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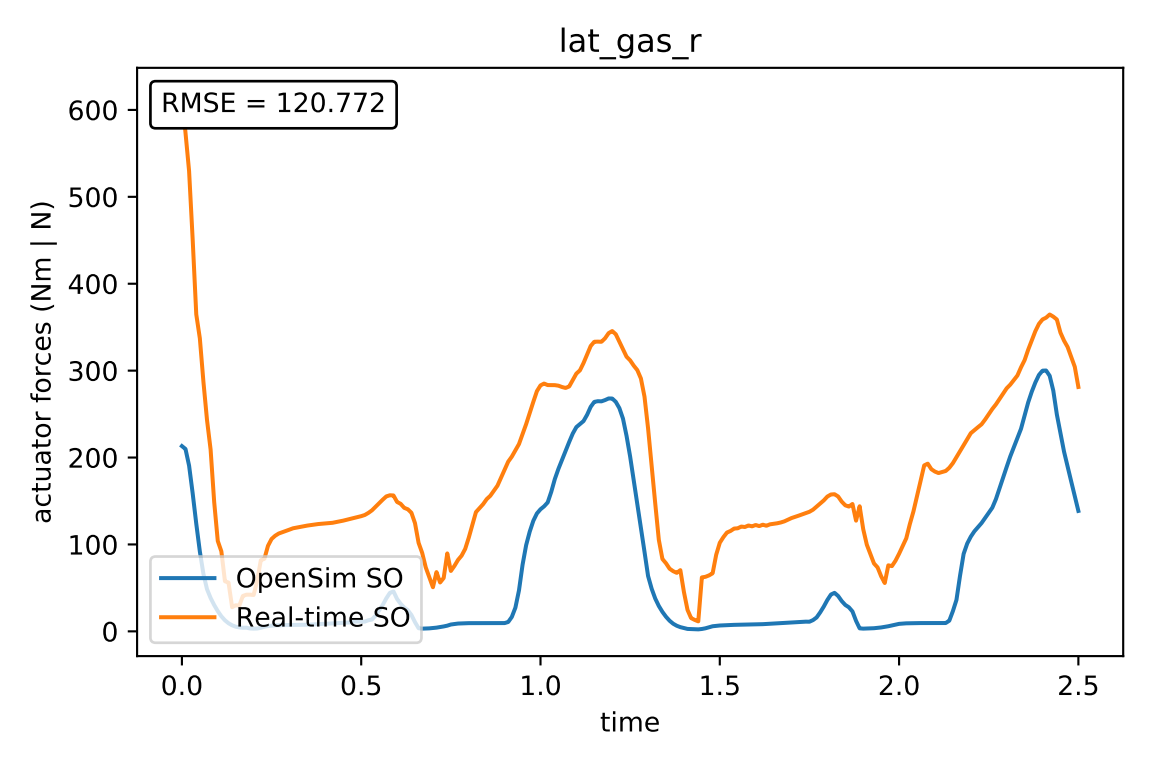
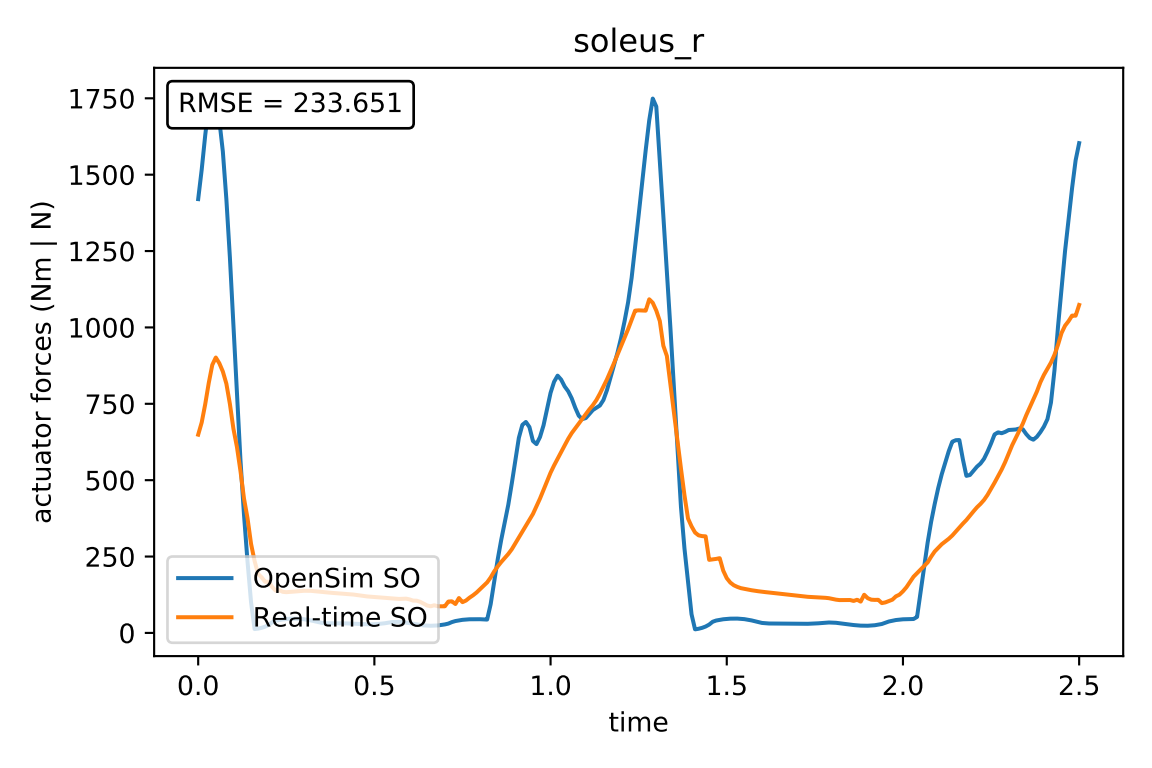
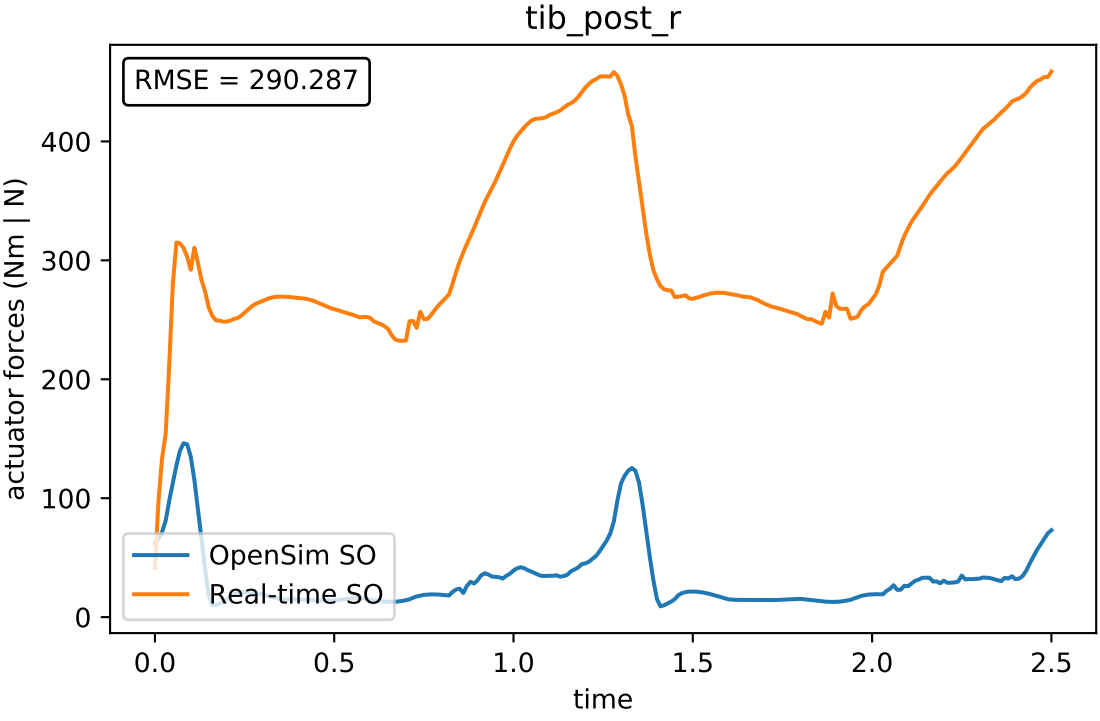
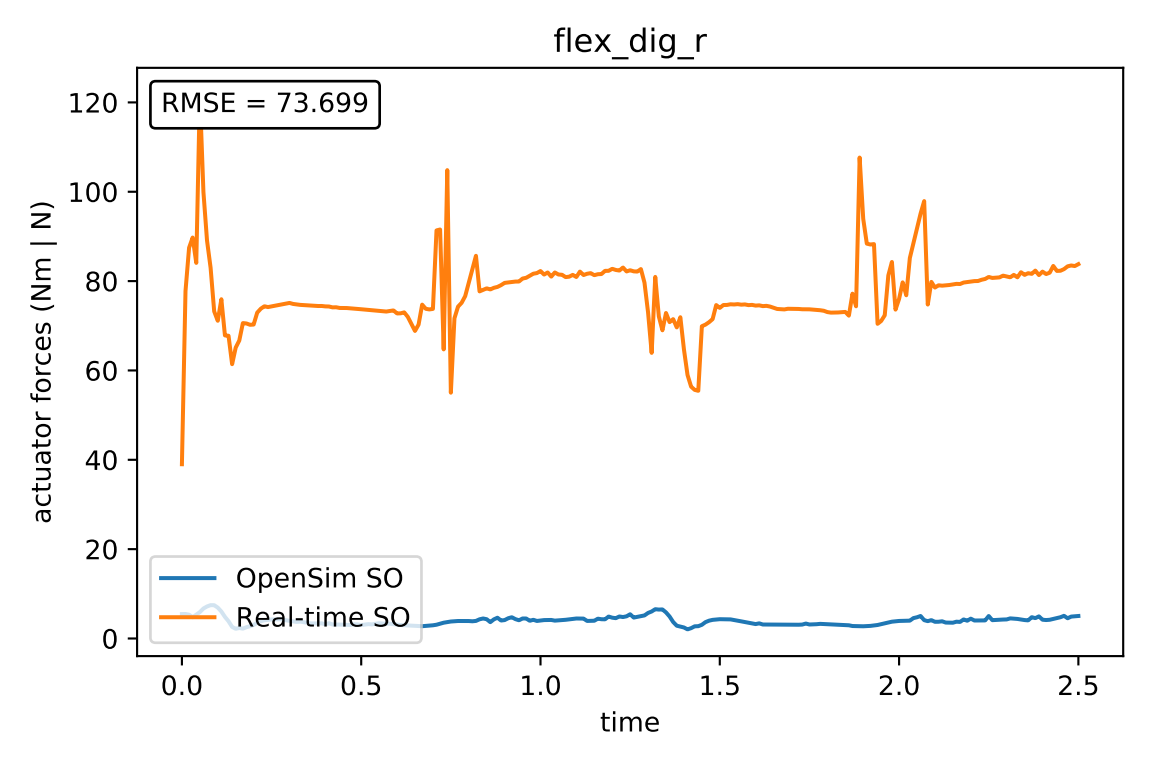
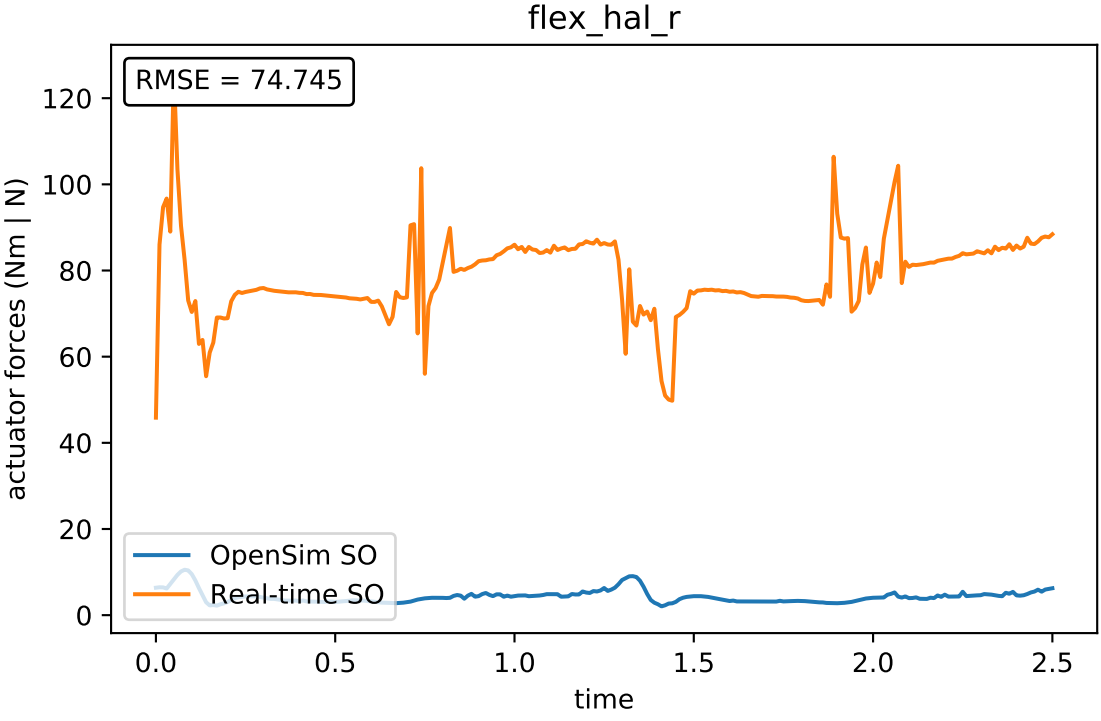
2.5

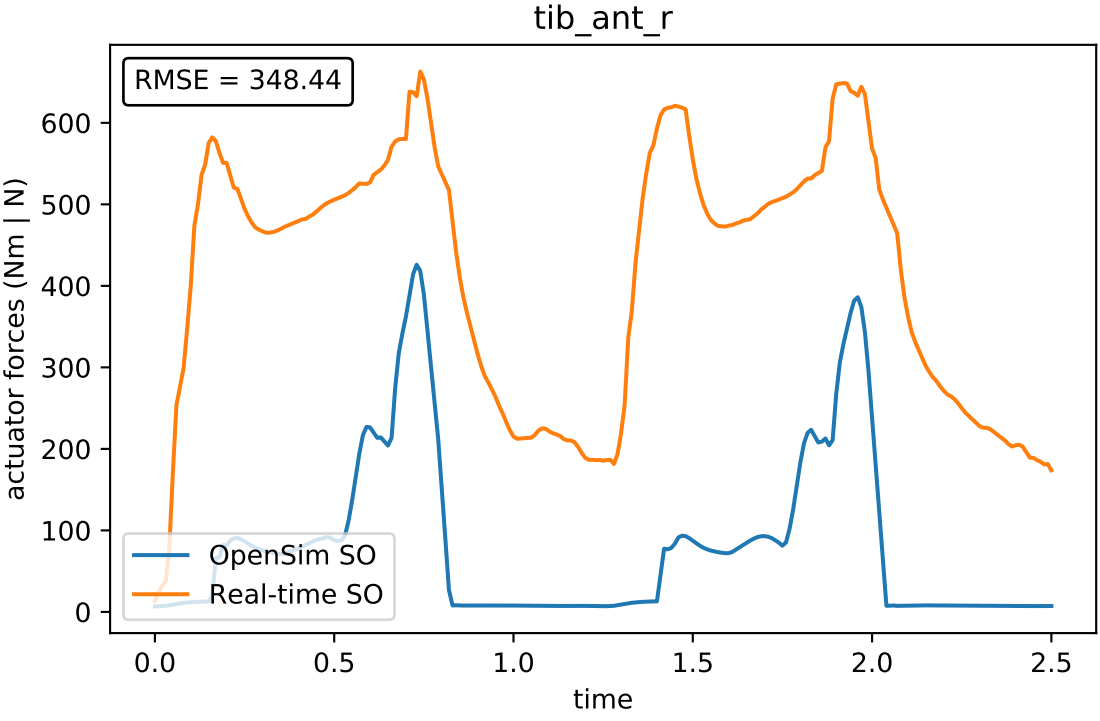

lat_gas_r
RMSE = 120.772
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
600
0.0
0.5
1.0
1.5
2.0
2.5

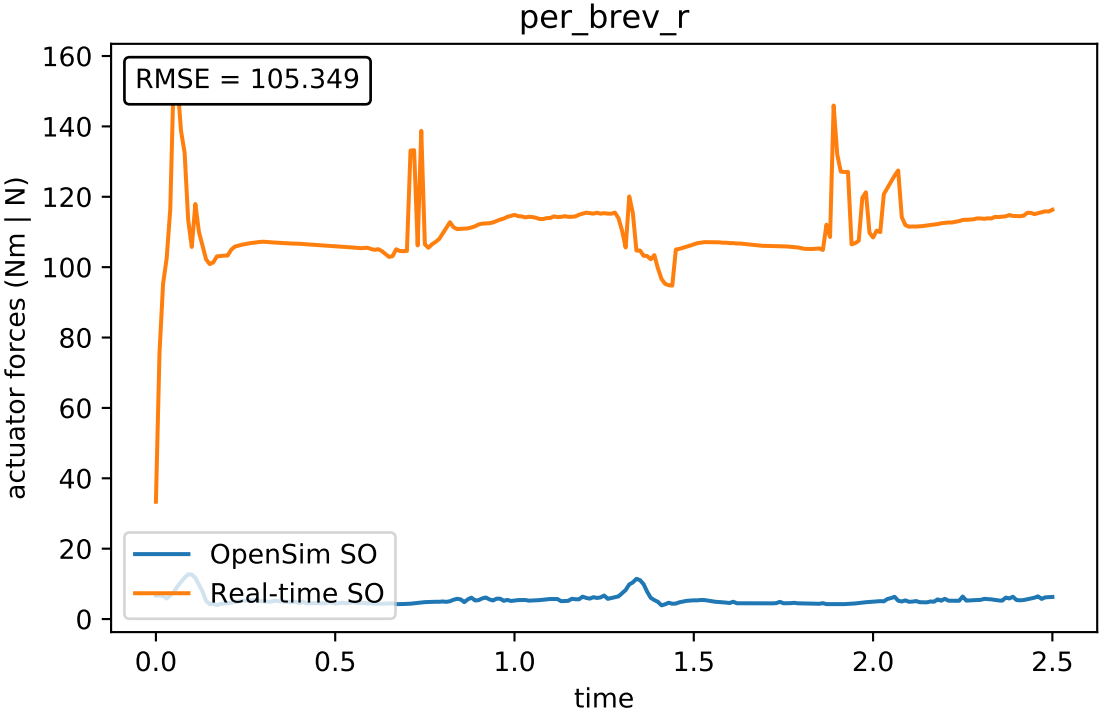

soleus_r
RMSE = 233.651
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
1750
1500
1250
1000
750
500
250
0
0.0
0.5
1.0
1.5
2.0
2.5

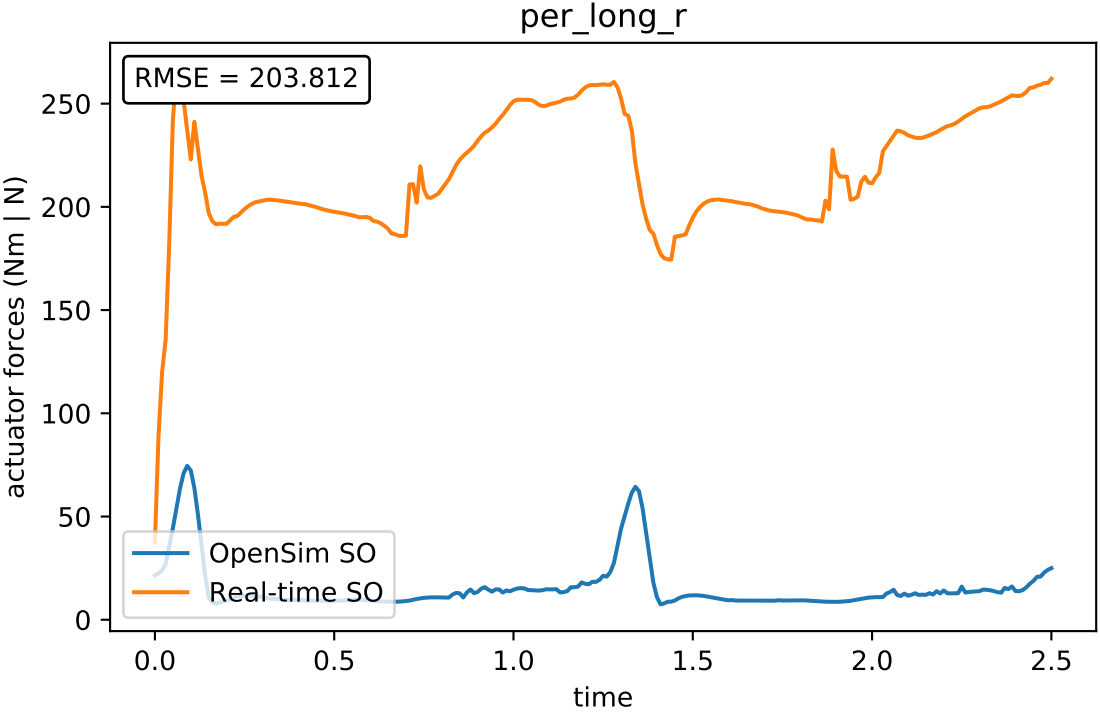

tib_post_r
RMSE = 290.287
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
100
200
300
400
0.0
0.5
1.0
1.5
2.0
2.5

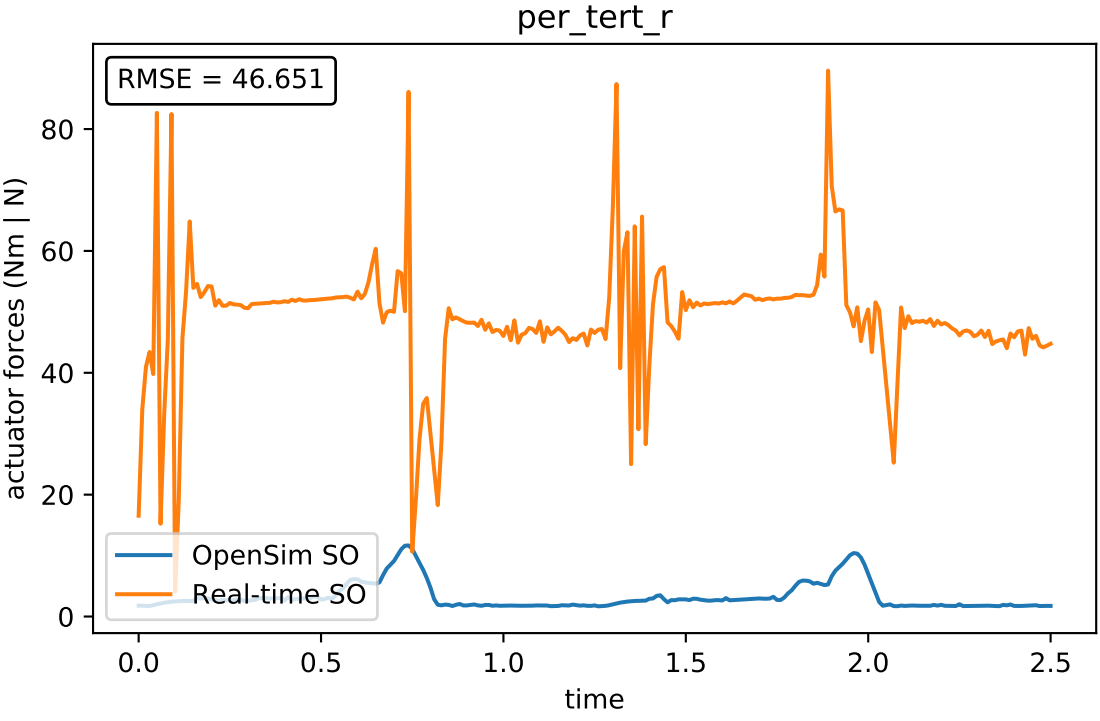

flex_dig_r
RMSE = 73.699
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

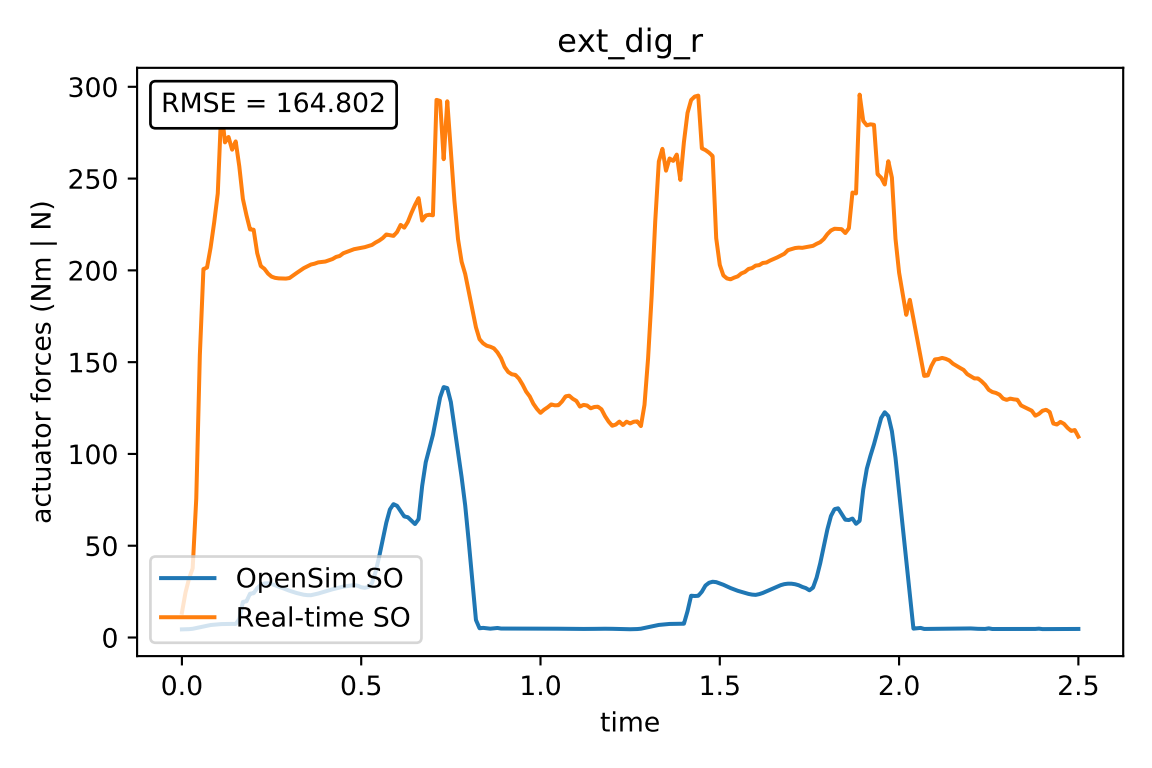

flex_hal_r
RMSE = 74.745
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

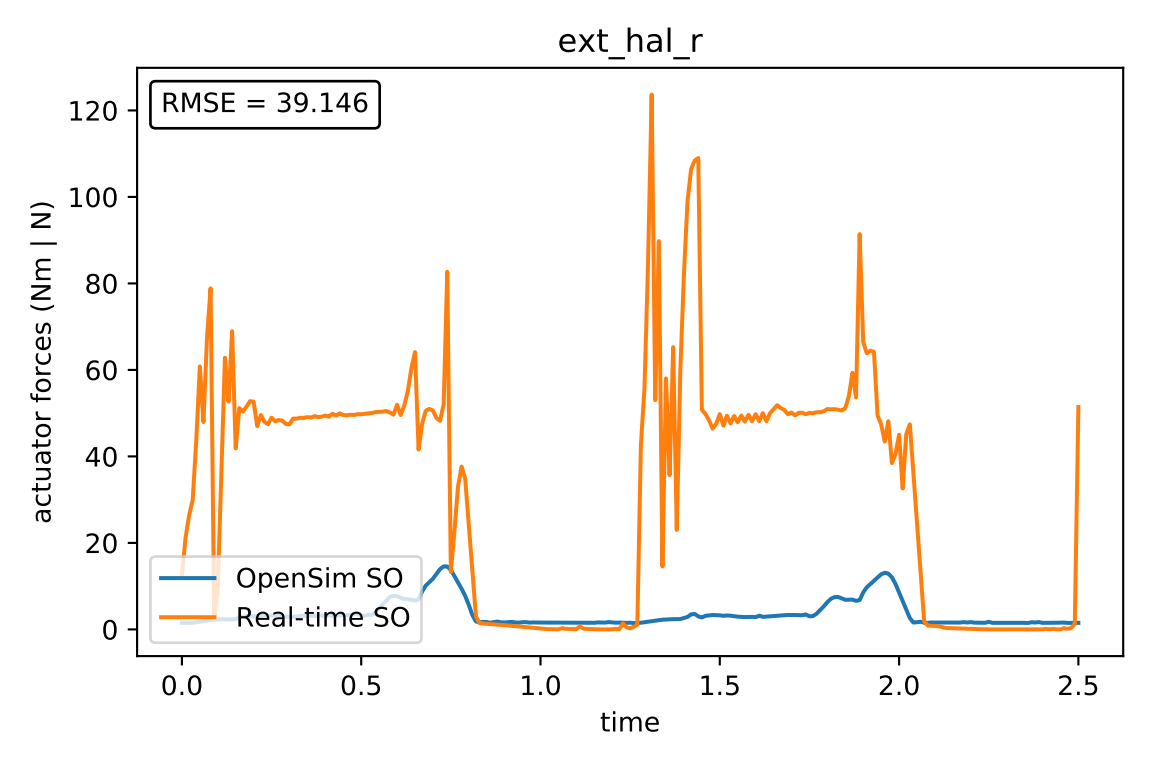

tib_ant_r
RMSE = 348.44
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
600
0.0
0.5
1.0
1.5
2.0
2.5

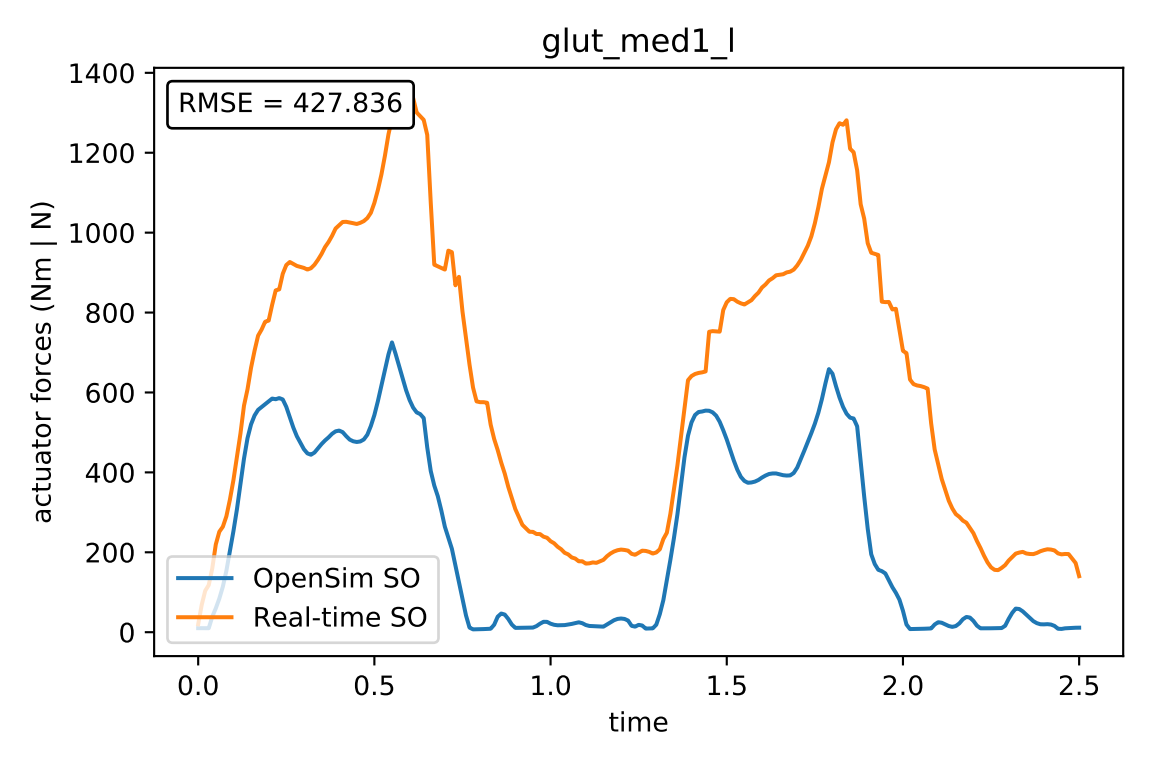

per_brev_r
RMSE = 105.349
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
140
160
0.0
0.5
1.0
1.5
2.0
2.5

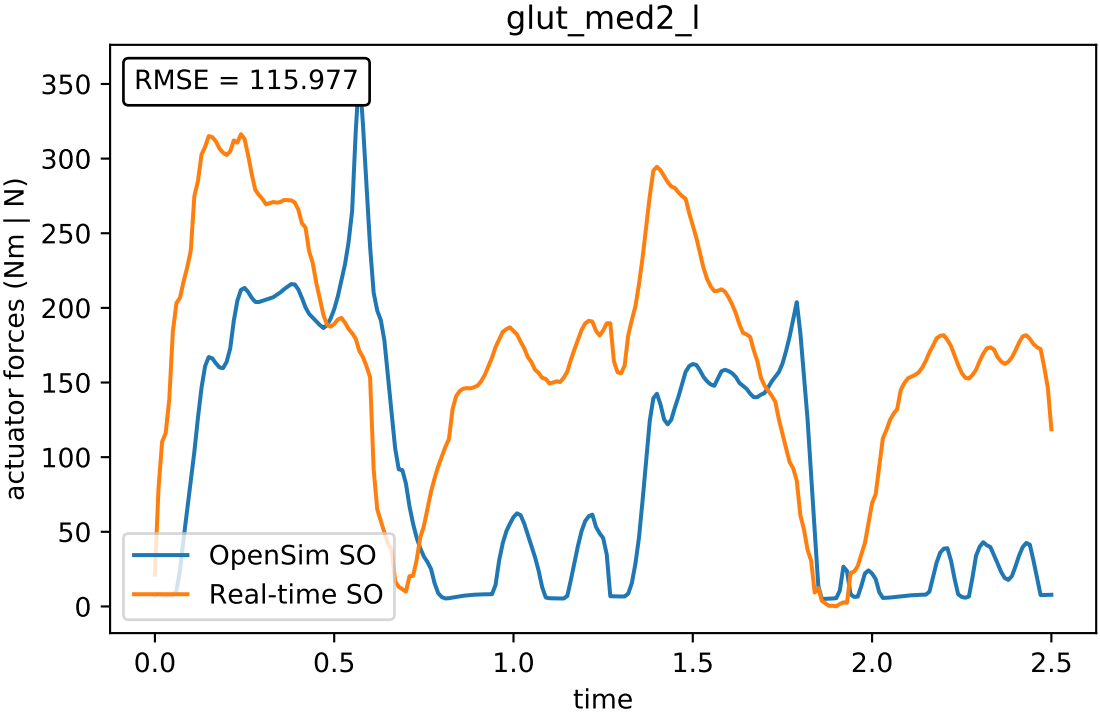

per_long_r
RMSE = 203.812
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5

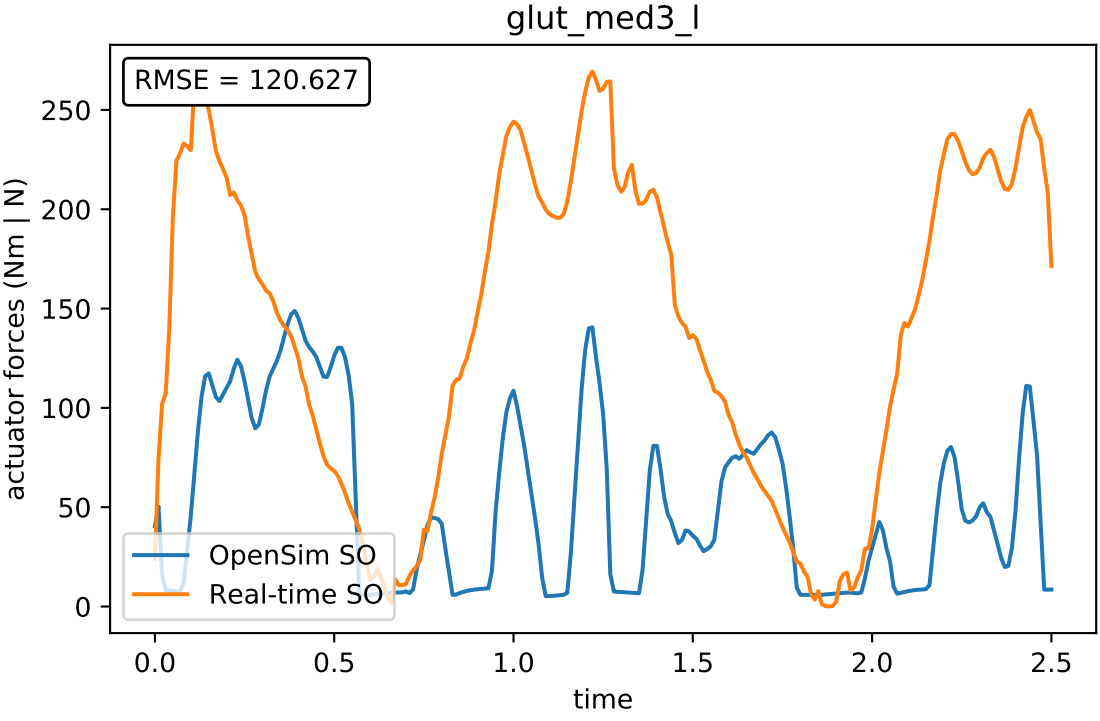

per_tert_r
RMSE = 46.651
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5

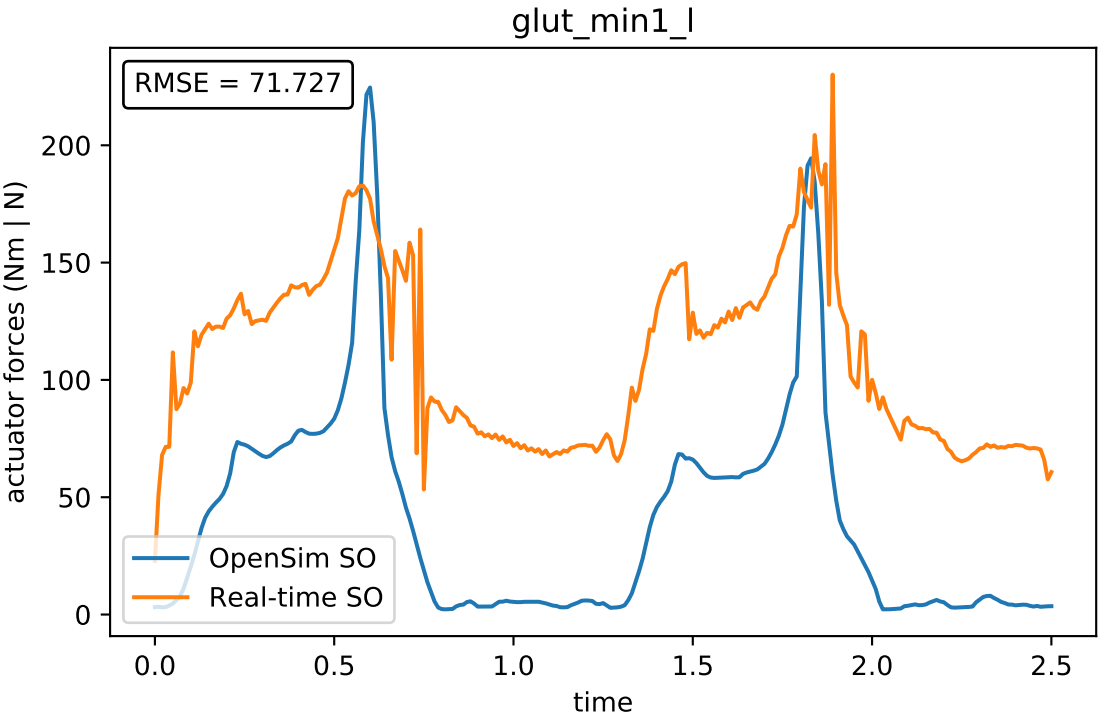

ext_dig_r
RMSE = 164.802
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
300
250
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5

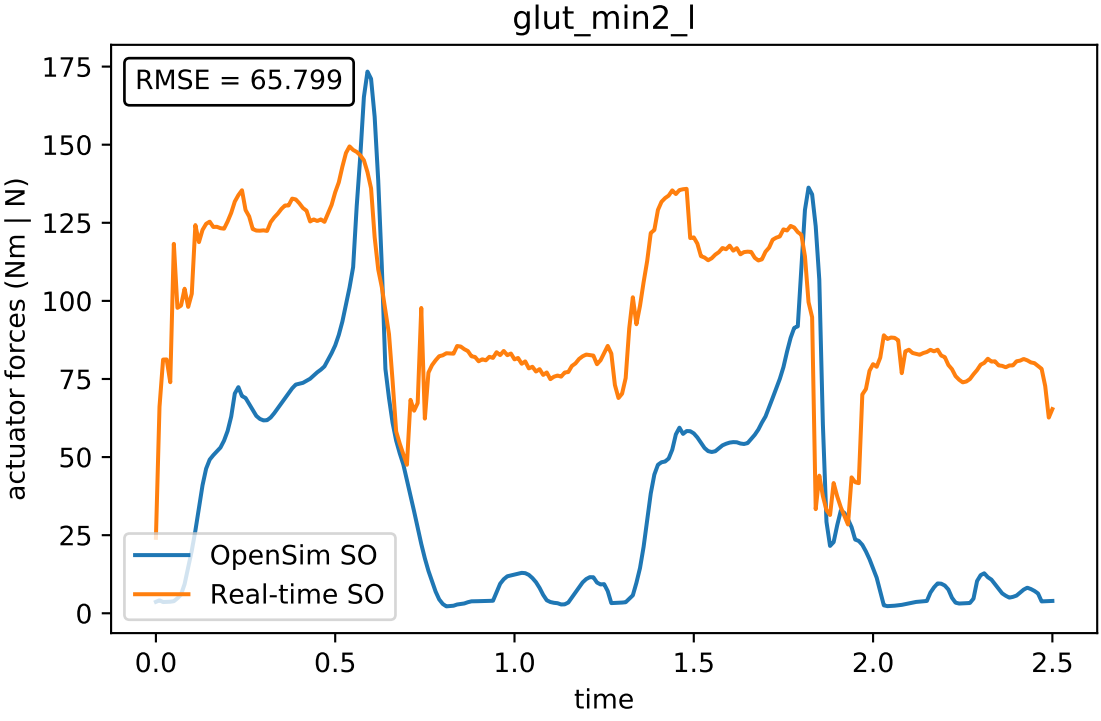

ext_hal_r
RMSE = 39.146
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

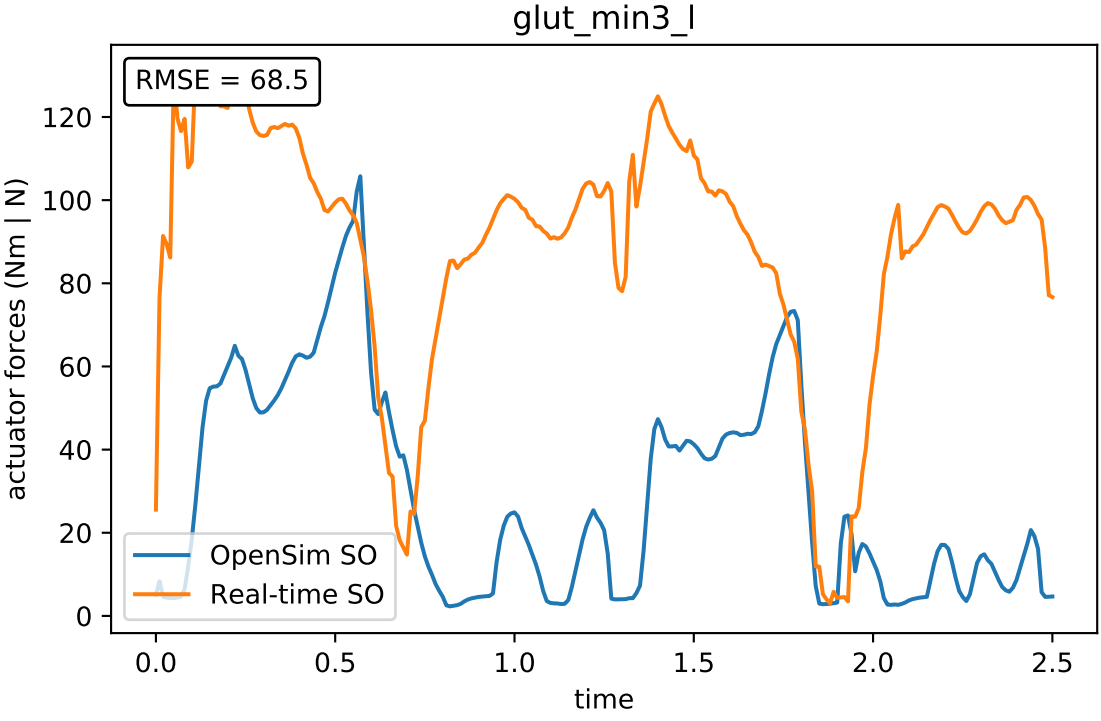

glut_med1_l
RMSE = 427.836
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
1400
1200
1000
800
600
400
200
0
0.0
0.5
1.0
1.5
2.0
2.5

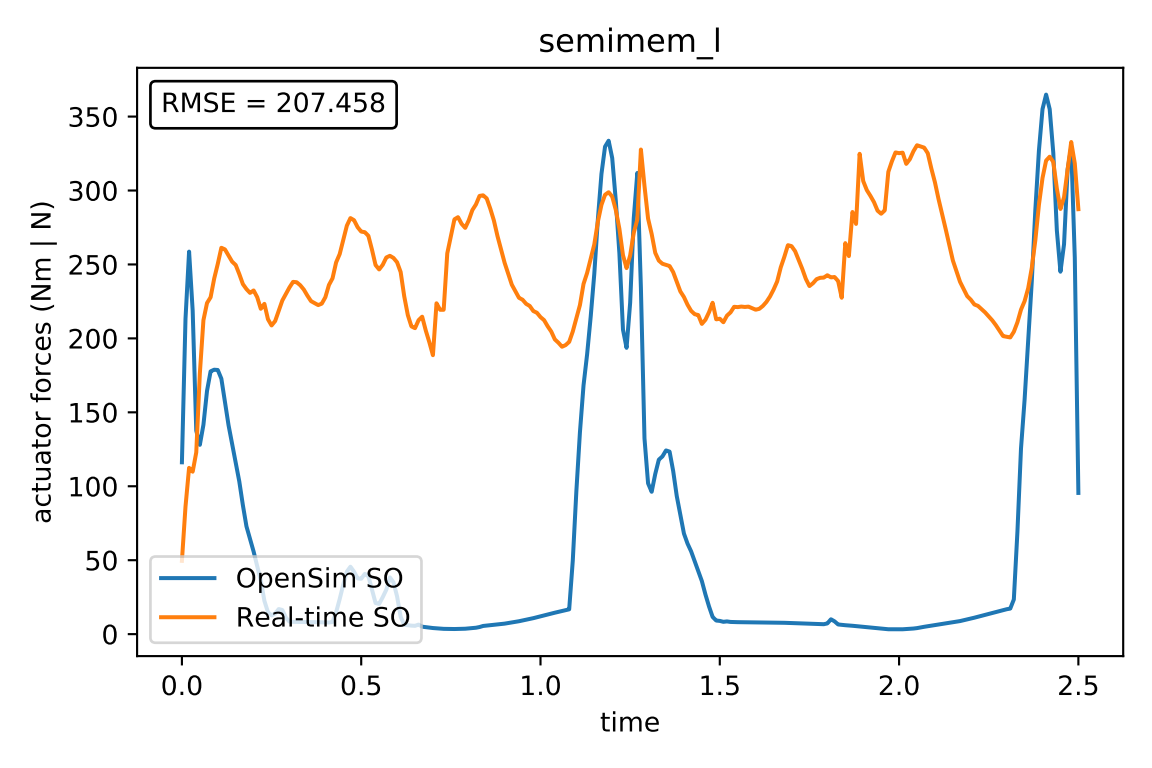

glut_med2_l
RMSE = 115.977
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
300
350
0.0
0.5
1.0
1.5
2.0
2.5

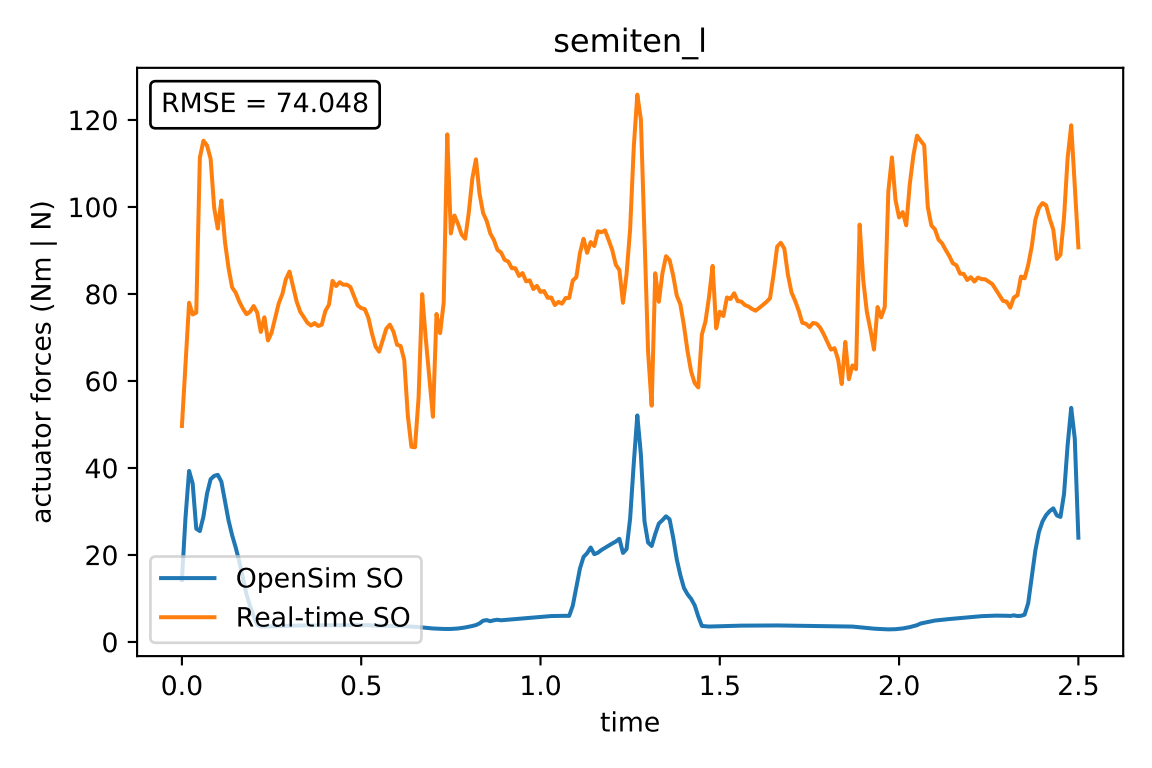

glut_med3_l
RMSE = 120.627
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5

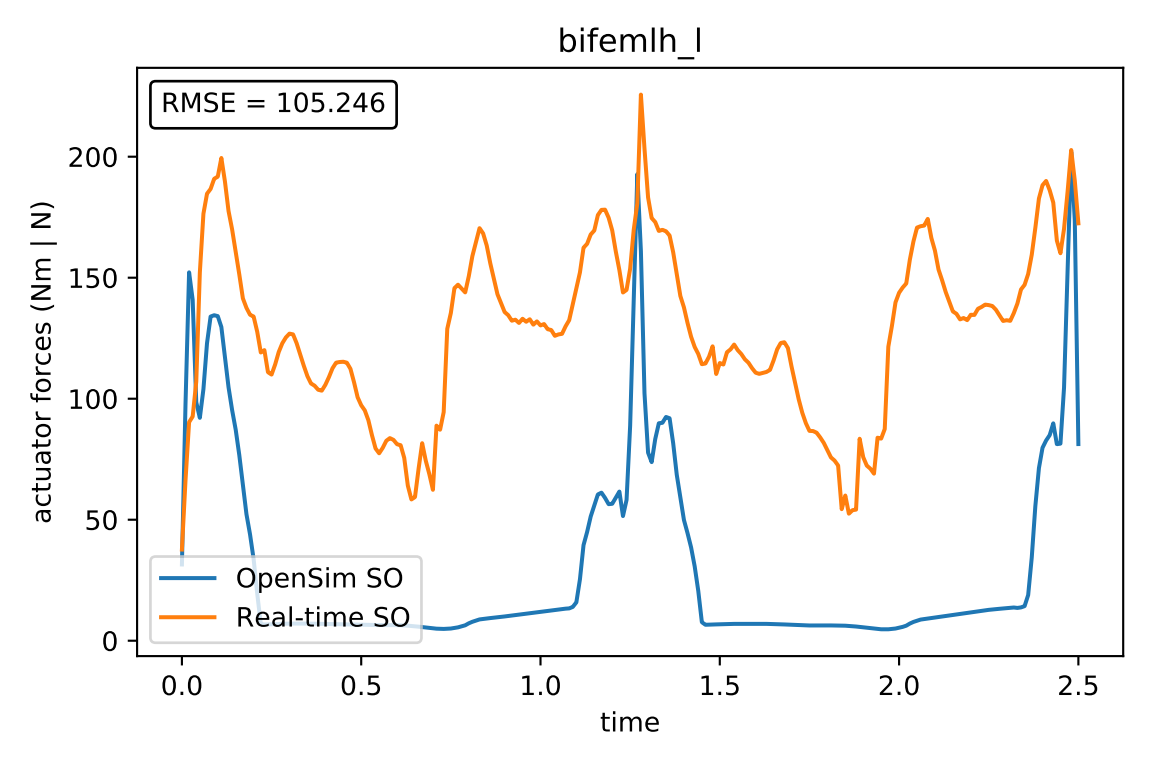

glut_min1_l
RMSE = 71.727
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0
2.5

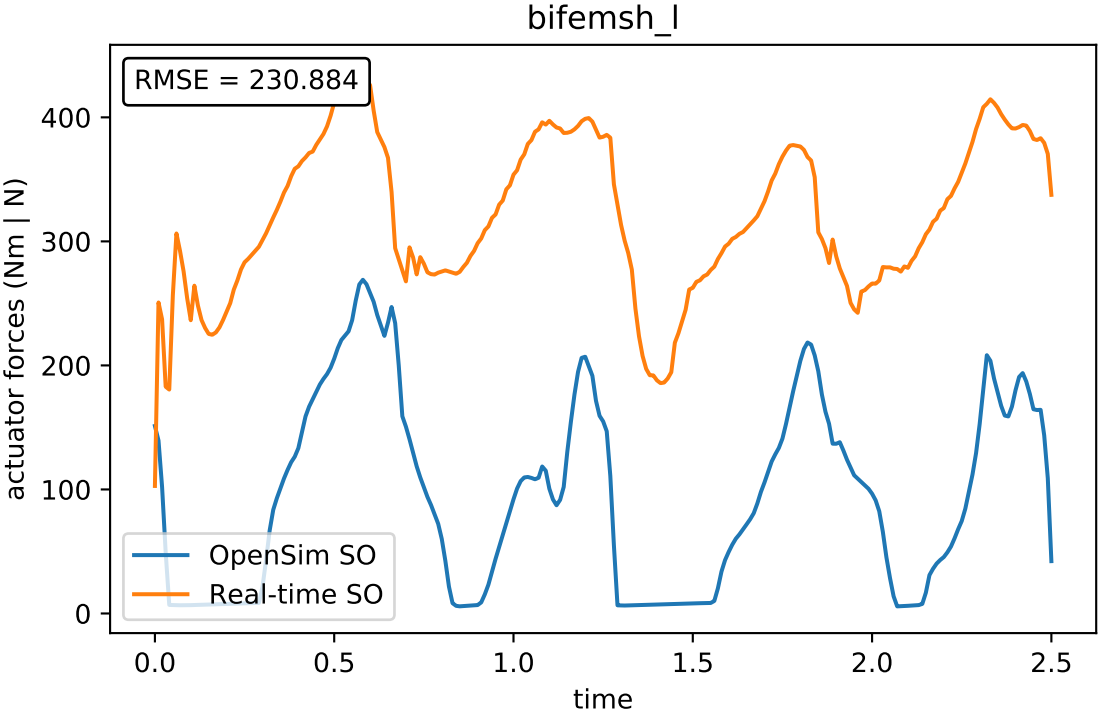

glut_min2_l
RMSE = 65.799
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
25
50
75
100
125
150
175
0.0
0.5
1.0
1.5
2.0
2.5

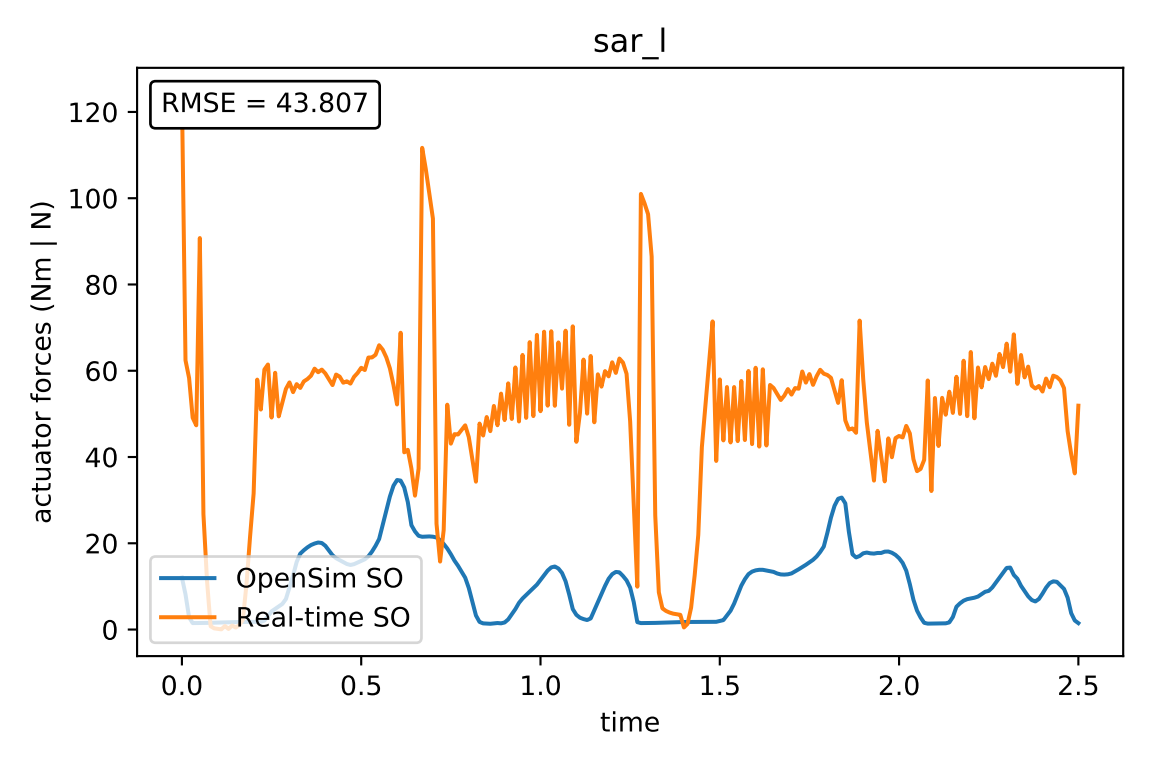

glut_min3_l
RMSE = 68.5
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

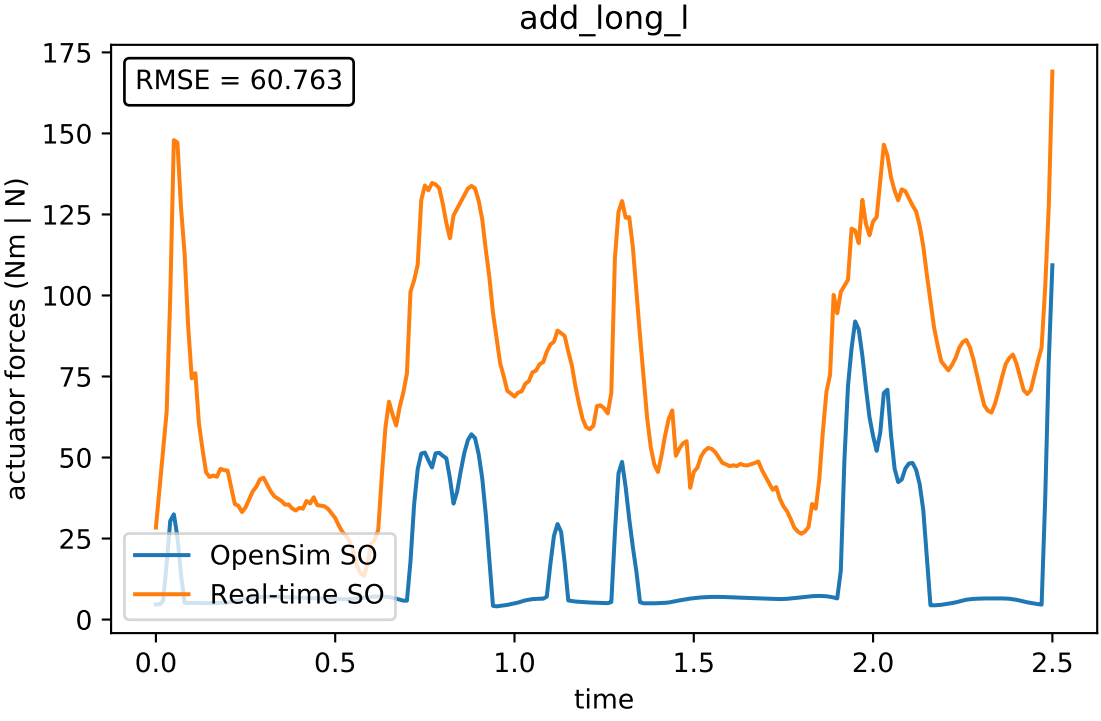

semimem_l
RMSE = 207.458
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
300
350
0.0
0.5
1.0
1.5
2.0
2.5

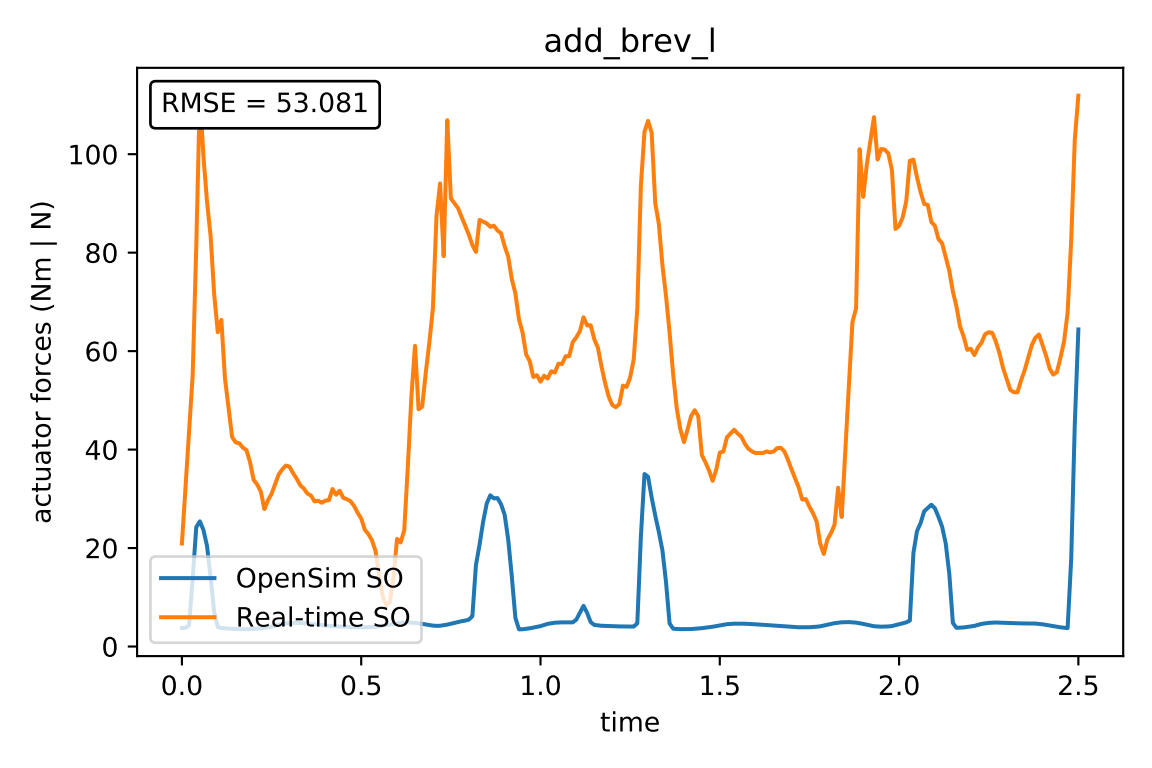

semiten_l
RMSE = 74.048
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

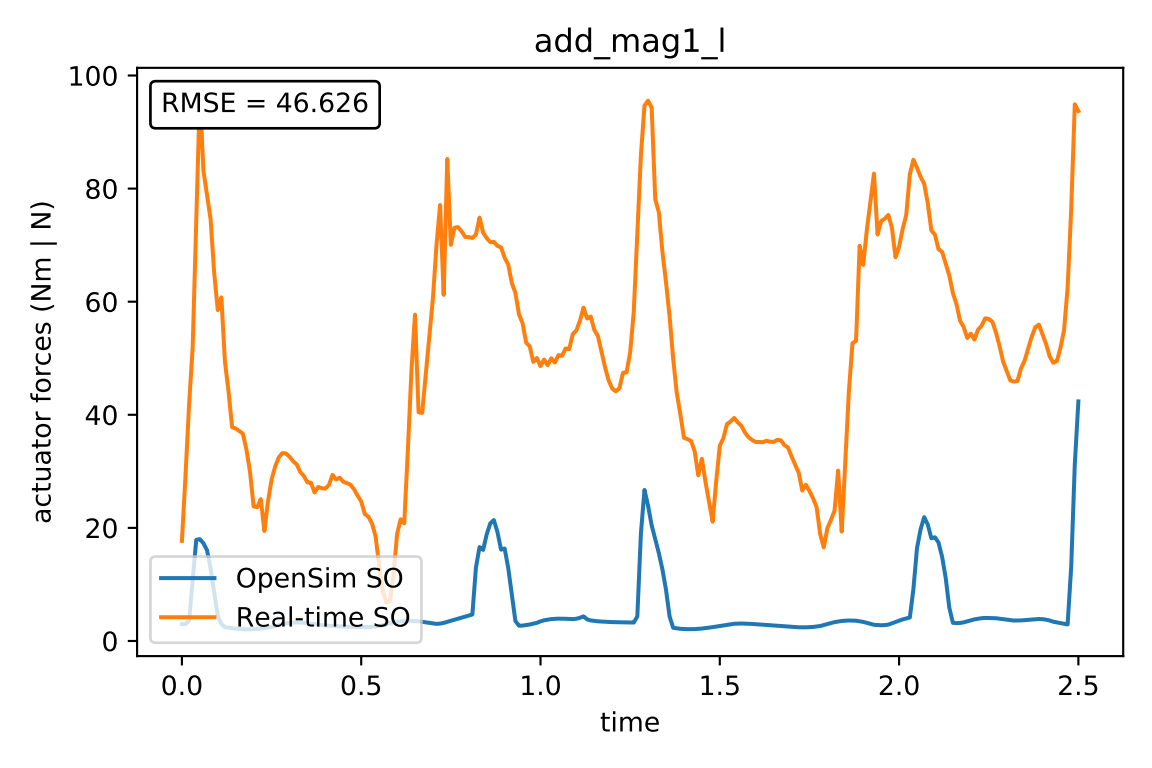

bifemlh_l
RMSE = 105.246
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0
2.5

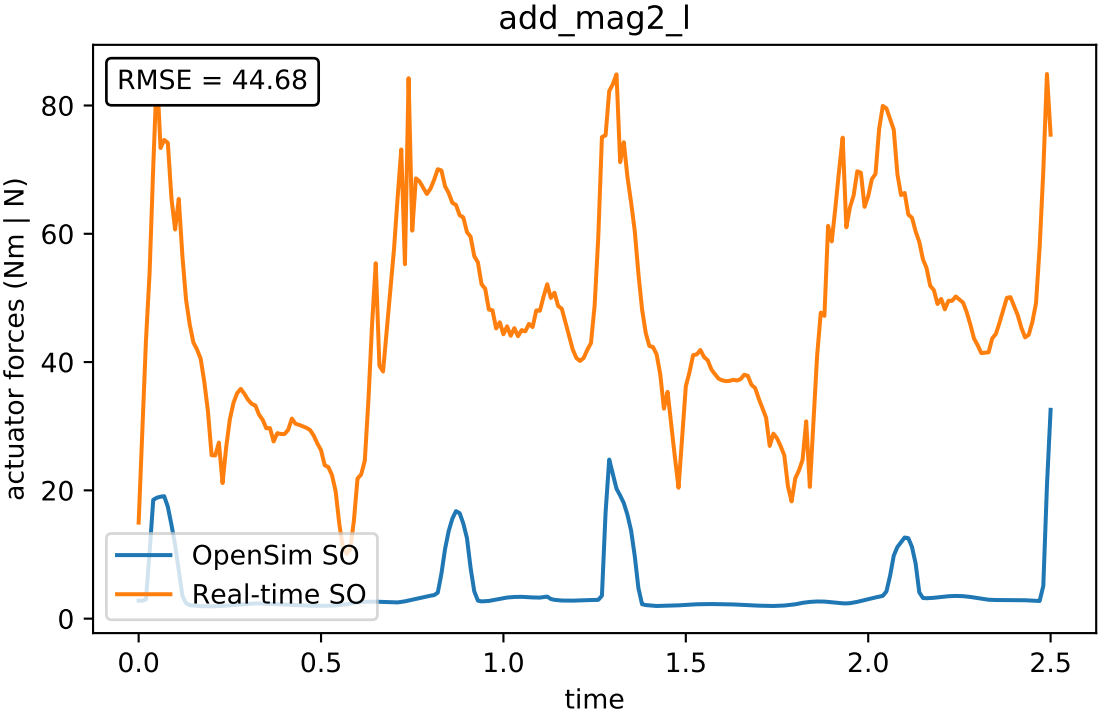

bifemsh_l
RMSE = 230.884
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
0.0
0.5
1.0
1.5
2.0
2.5

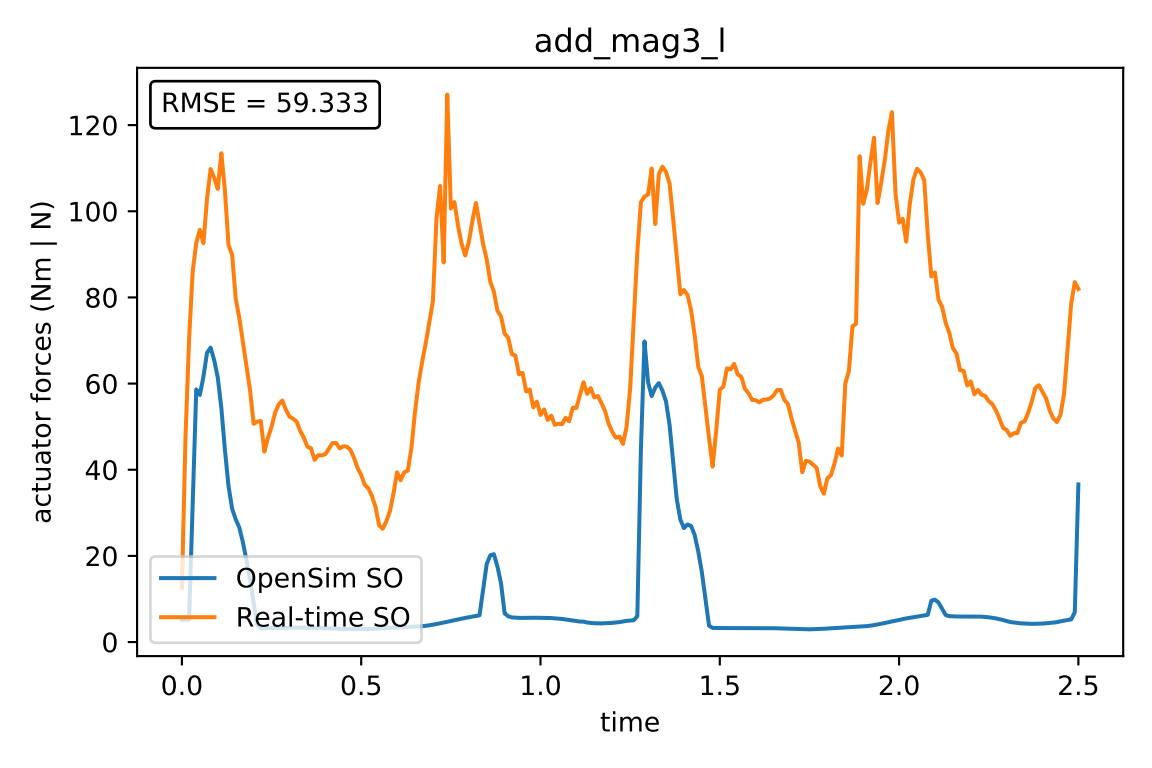

sar_l
RMSE = 43.807
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

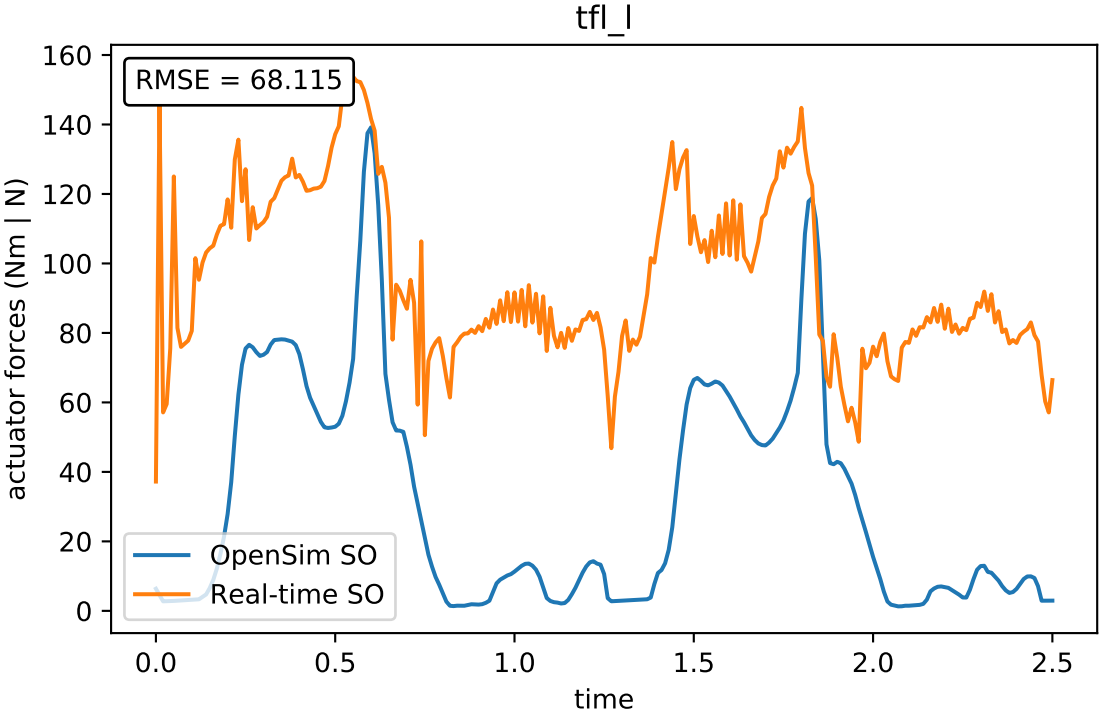

add_long_l
RMSE = 60.763
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
25
50
75
100
125
150
175
0.0
0.5
1.0
1.5
2.0
2.5

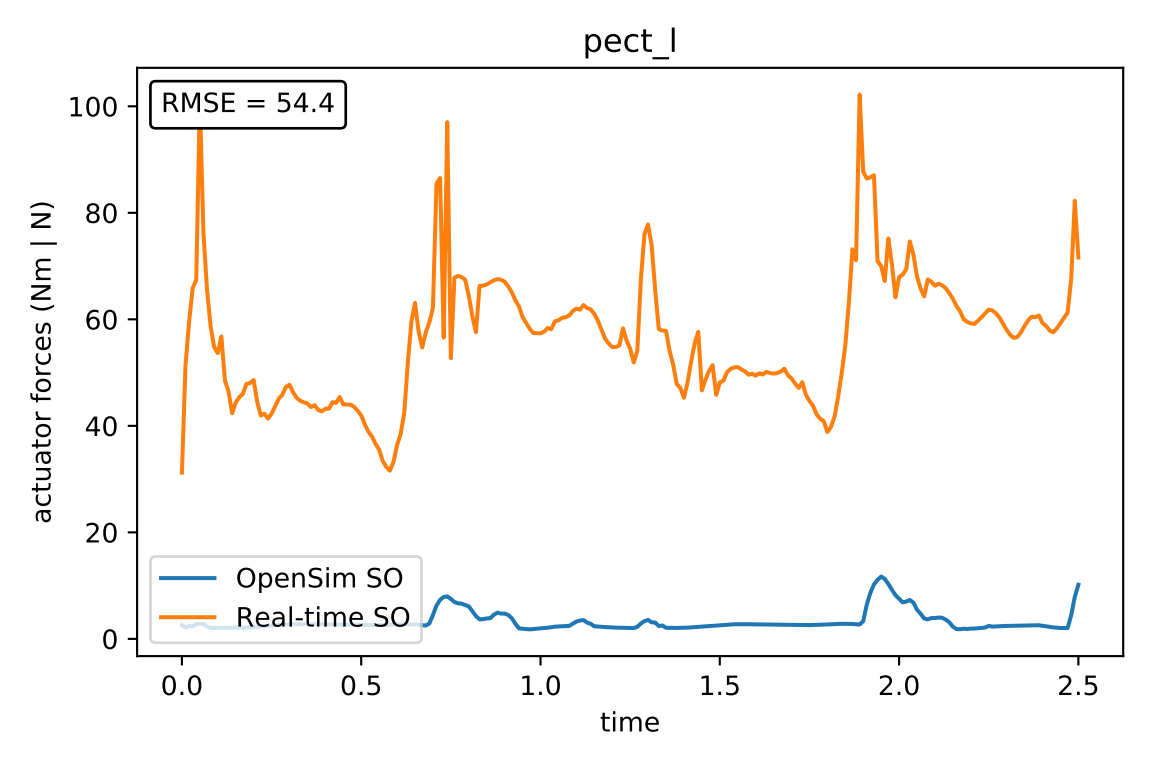

add_brev_l
RMSE = 53.081
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

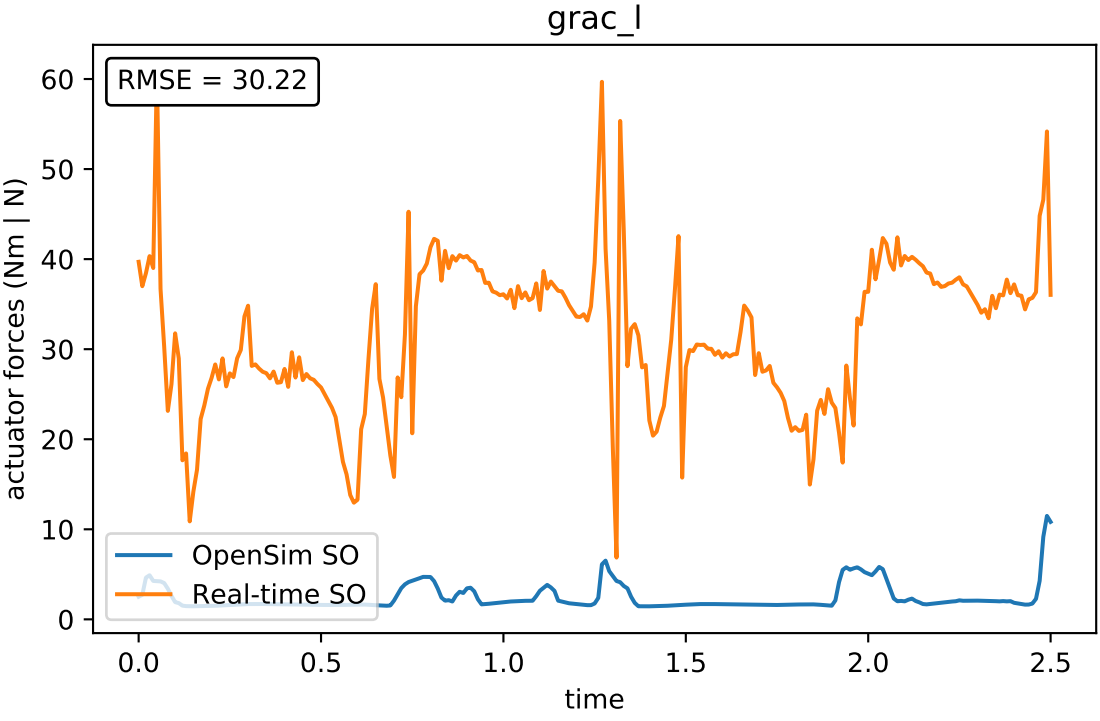

add_mag1_l
RMSE = 46.626
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

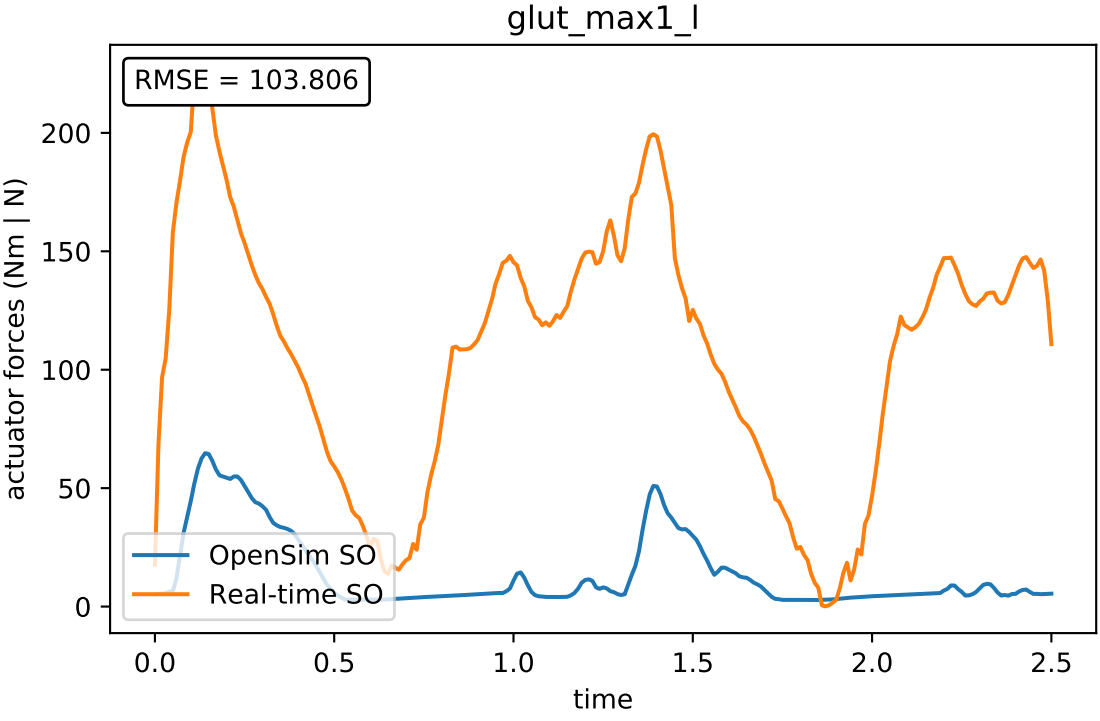

add_mag2_l
RMSE = 44.68
actuator forces (Nm | N)
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5
time
OpenSim SO
Real-time SO

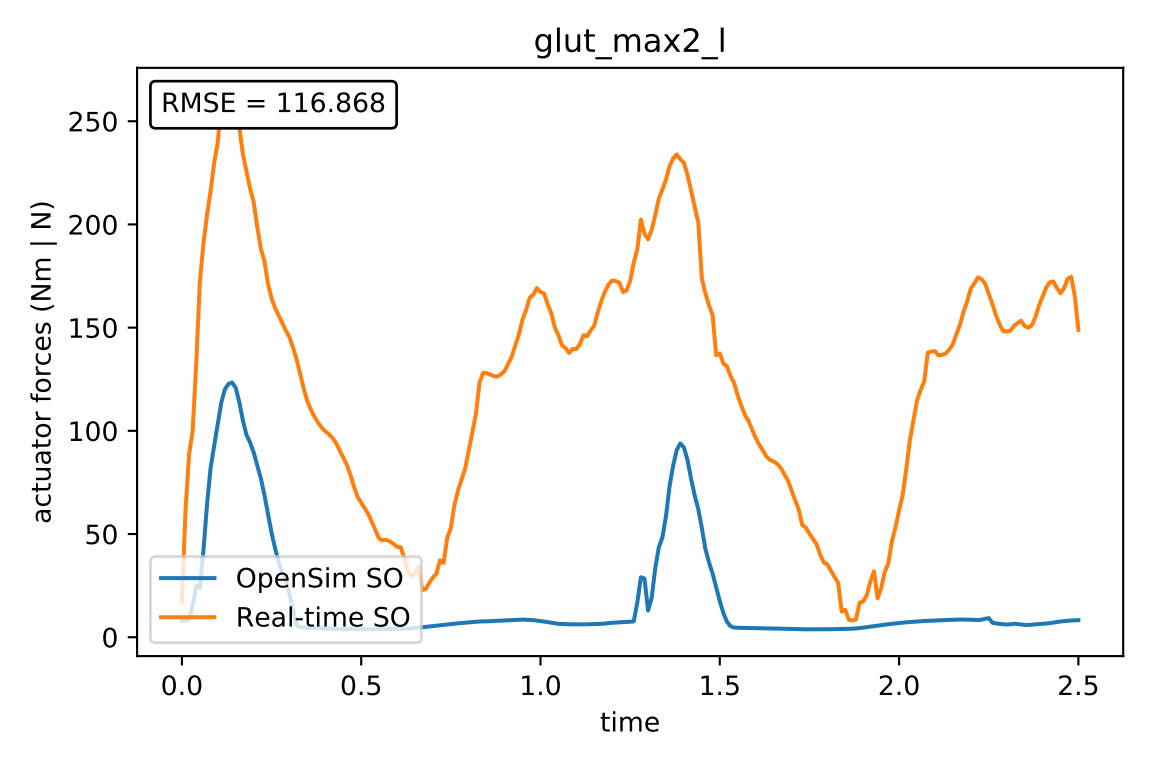

add_mag3_l
RMSE = 59.333
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

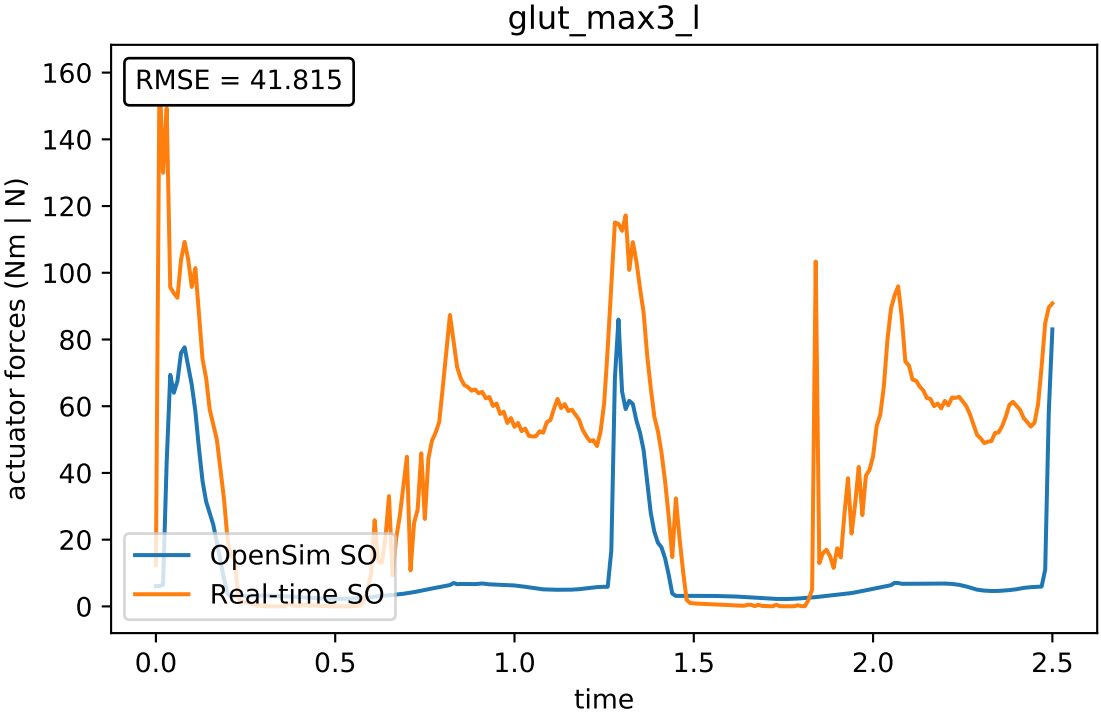

tfl_l
RMSE = 68.115
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
120
140
160
0.0
0.5
1.0
1.5
2.0
2.5

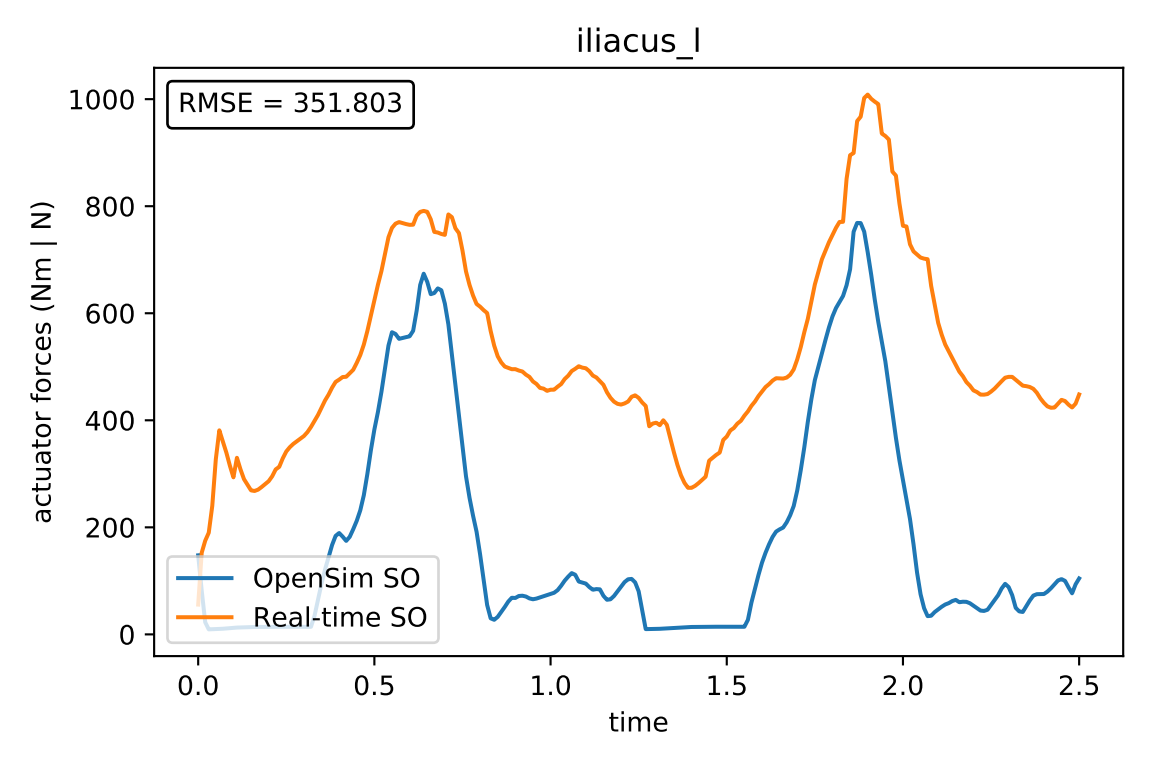

pect_l
RMSE = 54.4
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
20
40
60
80
100
0.0
0.5
1.0
1.5
2.0
2.5

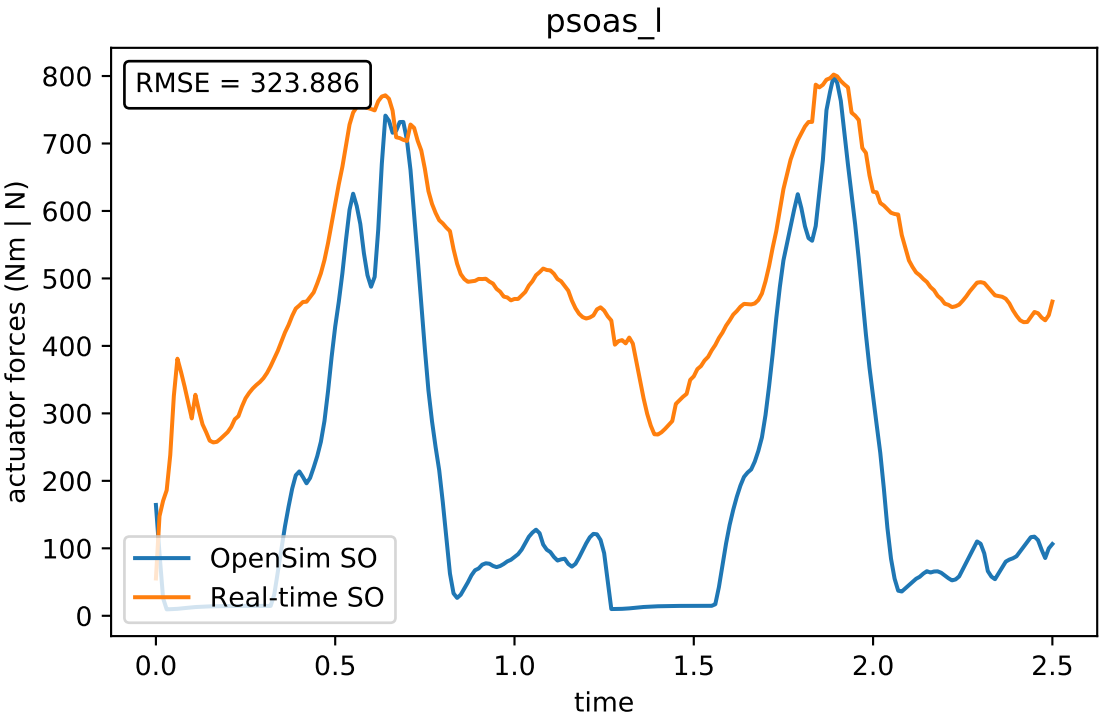

grac_l
RMSE = 30.22
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
60
0.0
0.5
1.0
1.5
2.0
2.5

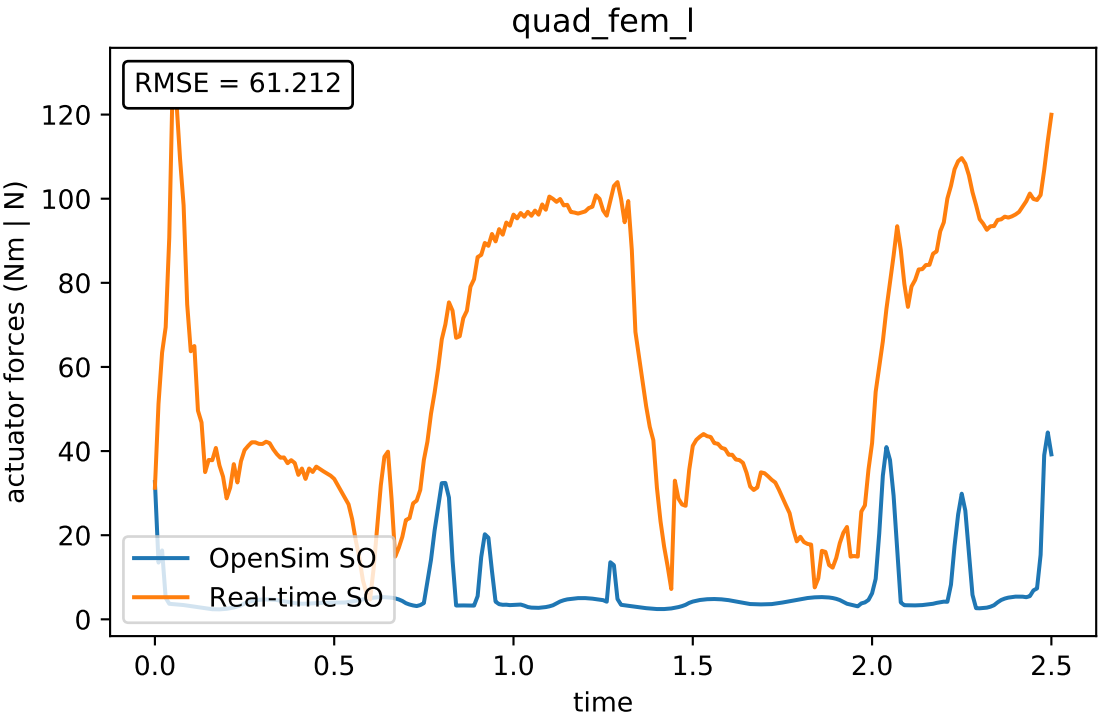

glut_max1_l
RMSE = 103.806
200
150
100
50
0
actuator forces (Nm | N)
OpenSim SO
Real-time SO
0.0
0.5
1.0
1.5
2.0
2.5
time


glut_max2_l
RMSE = 116.868
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


glut_max3_l
RMSE = 41.815
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


iliacus_l
RMSE = 351.803
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
200
400
600
800
1000
0.0
0.5
1.0
1.5
2.0
2.5


psoas_l
RMSE = 323.886
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
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 = 61.212
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
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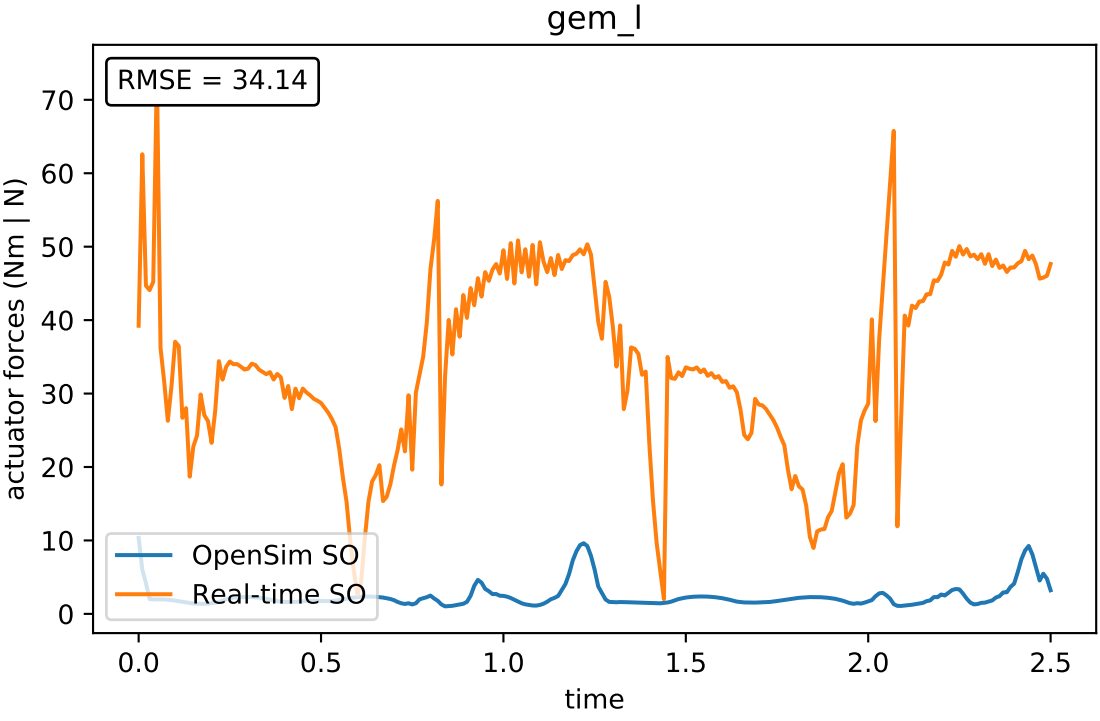
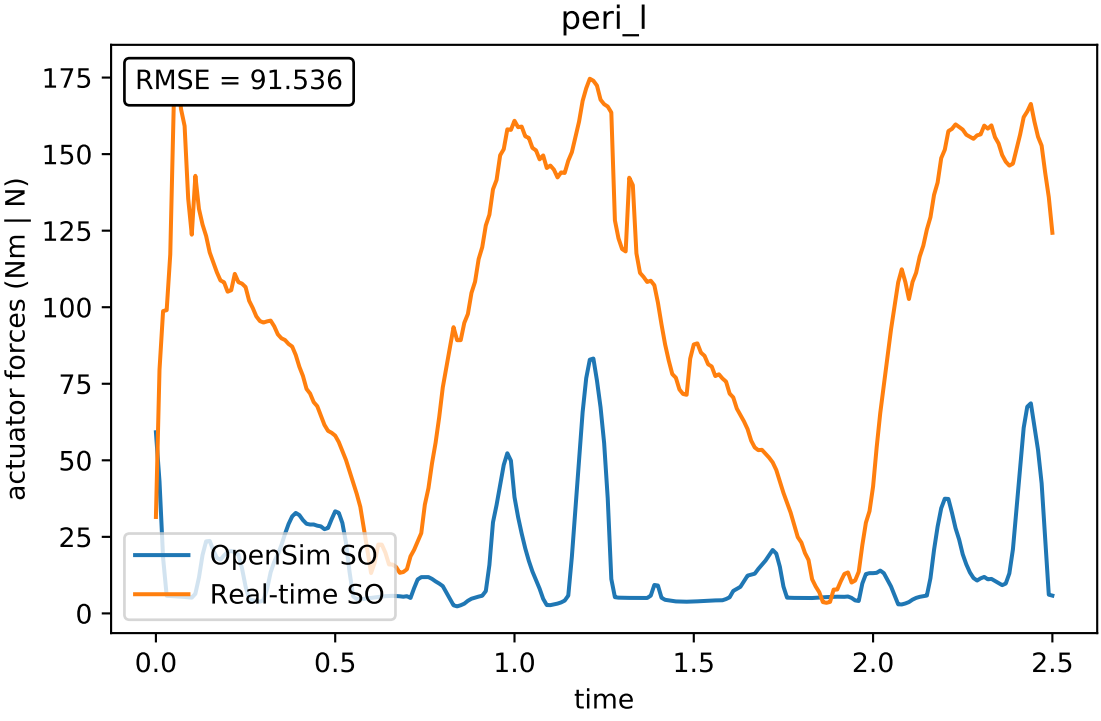
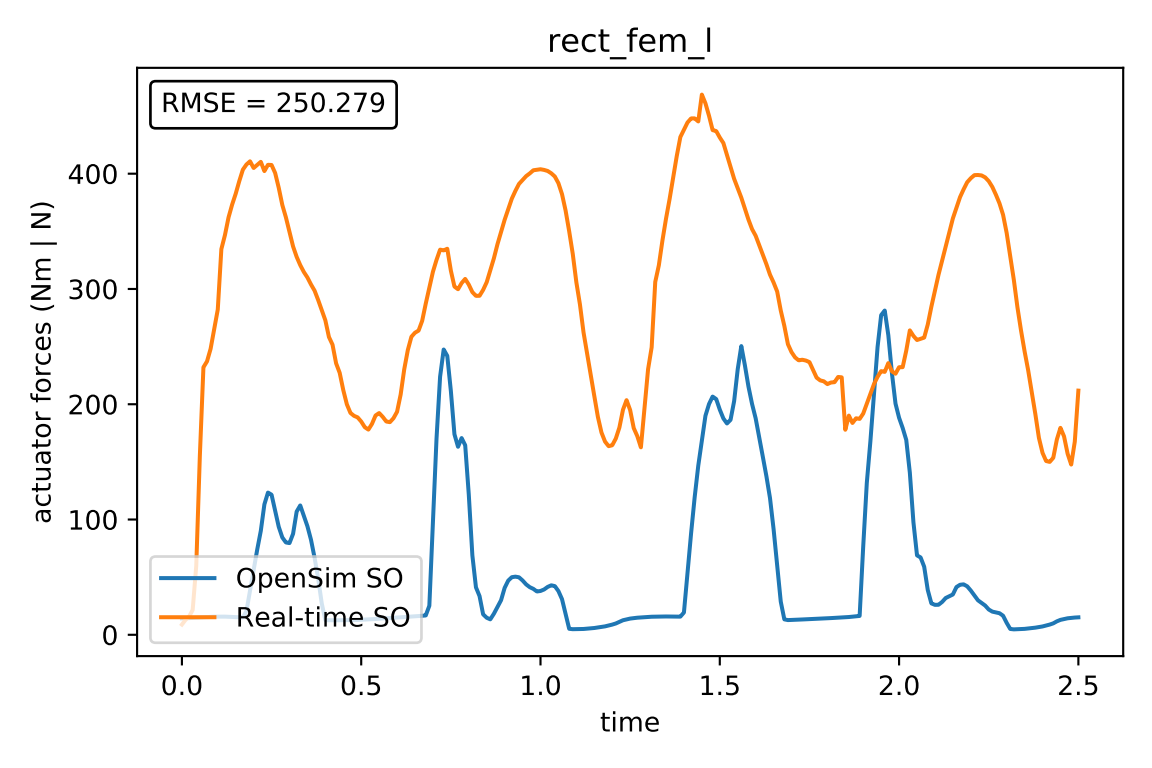
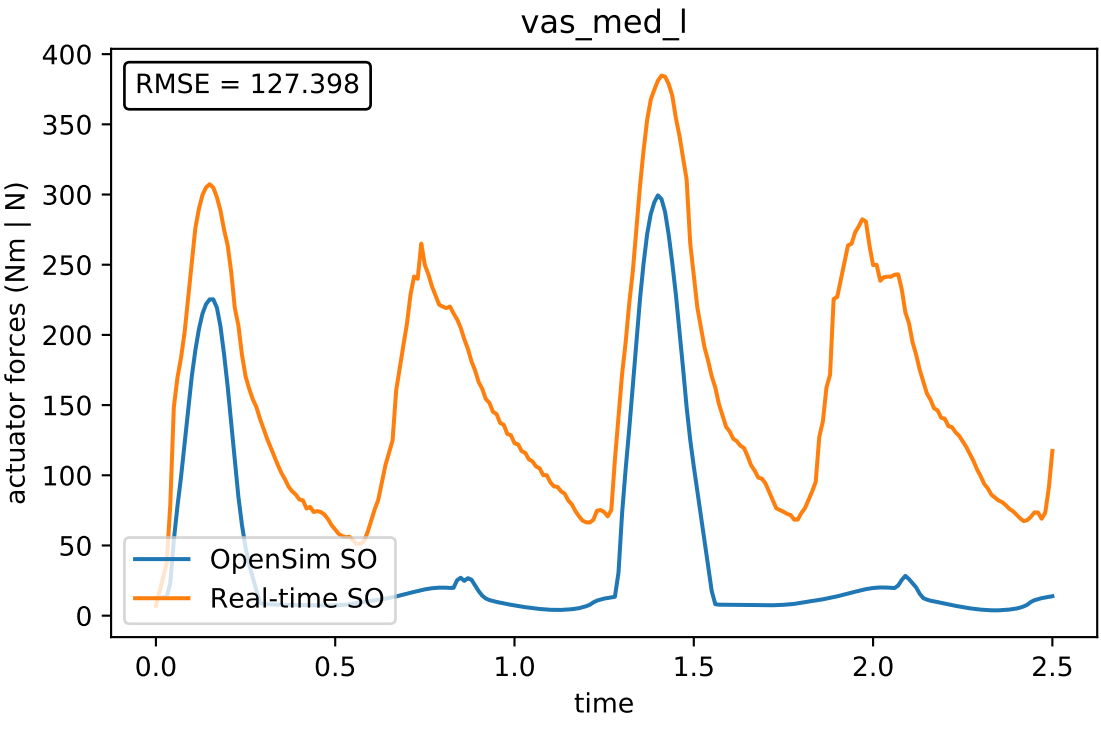
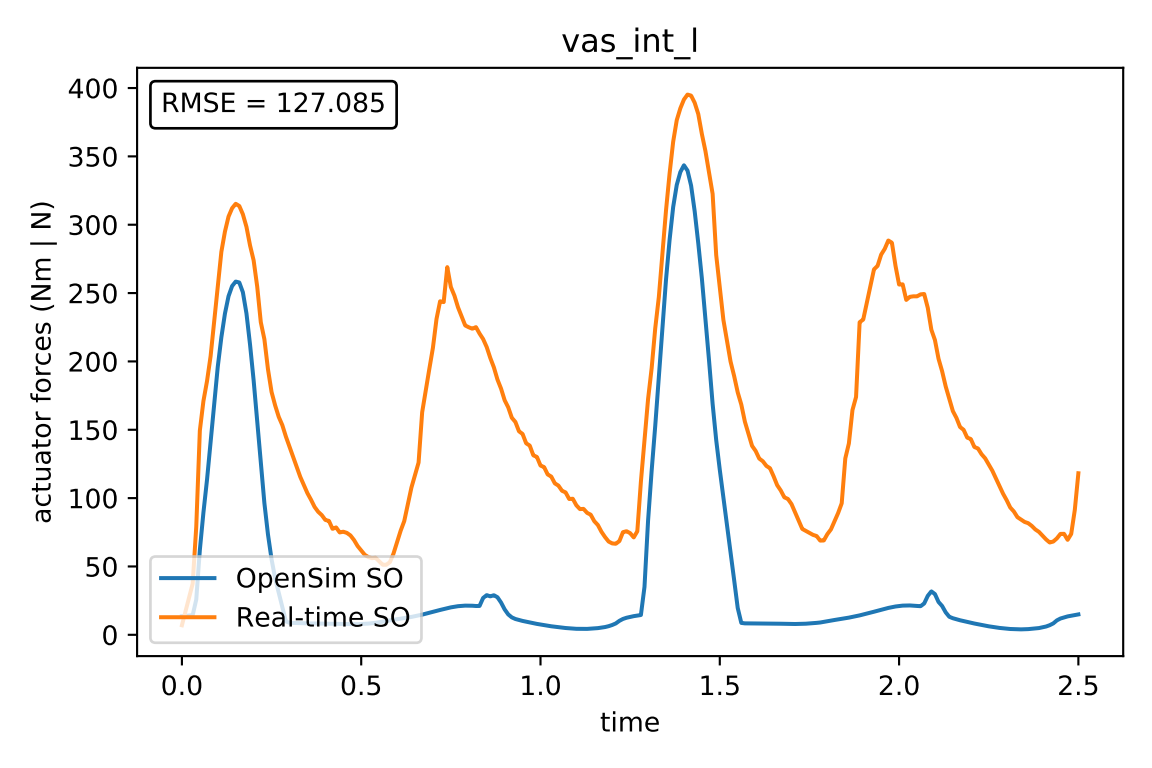
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

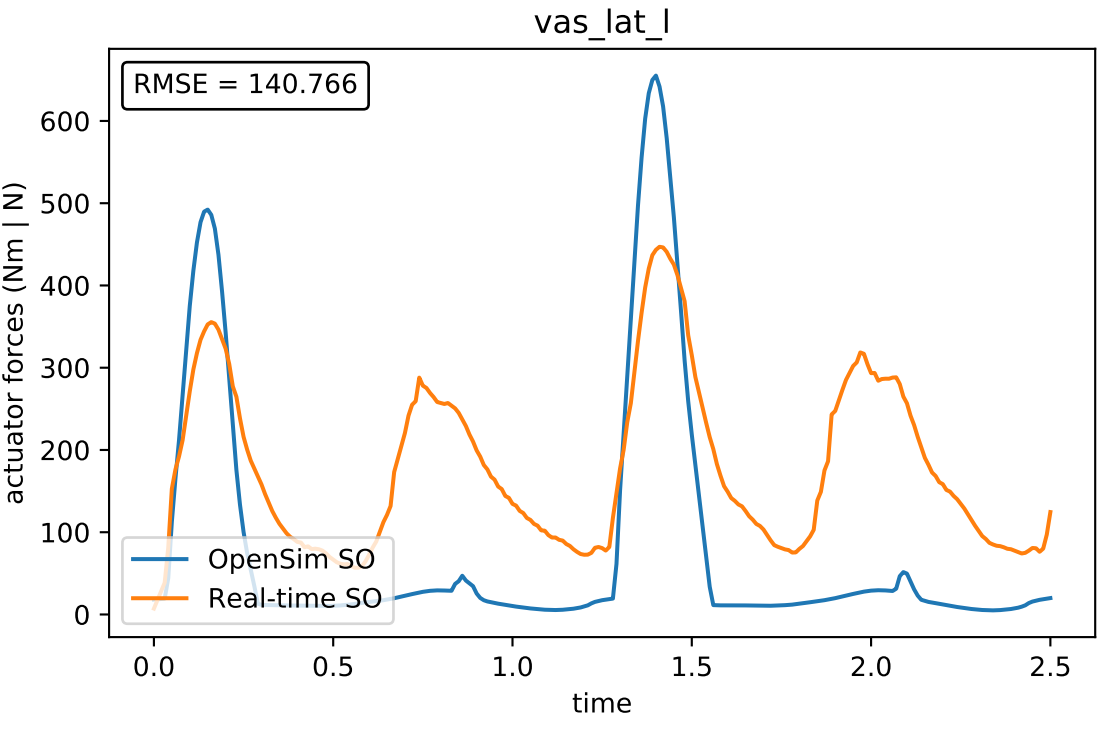

gem_l
RMSE = 34.14
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
10
20
30
40
50
60
70
0.0
0.5
1.0
1.5
2.0
2.5

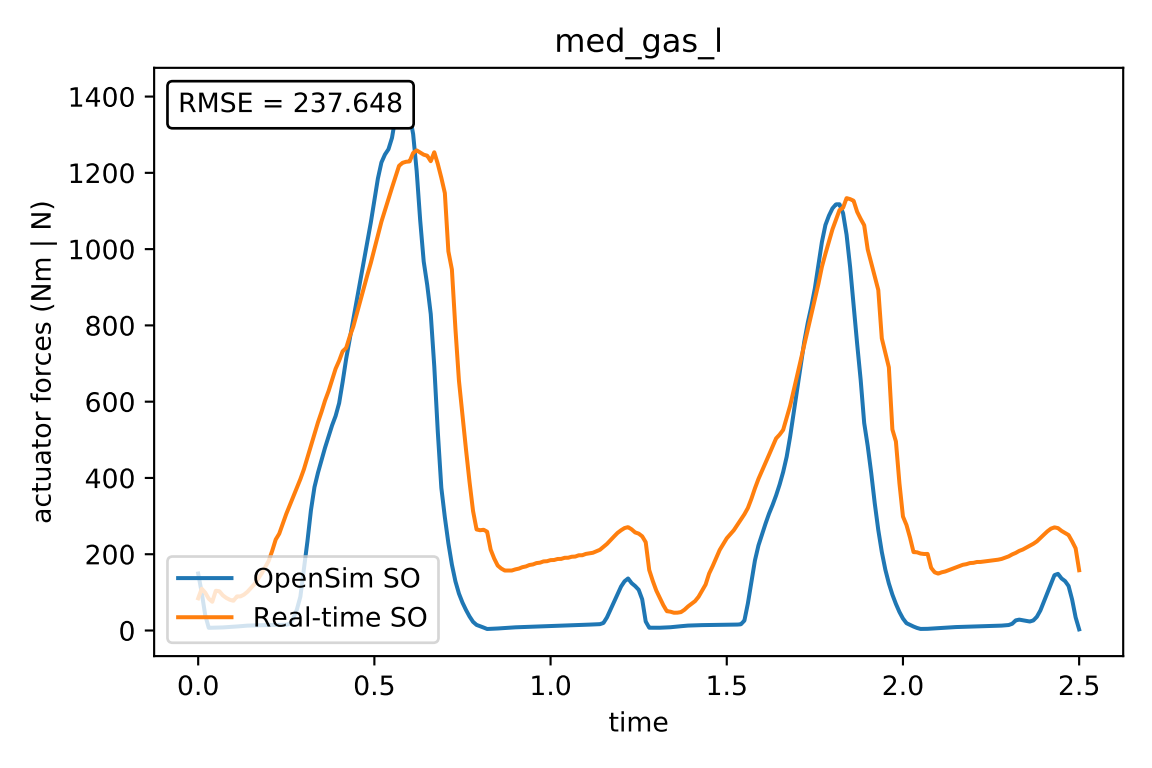

peri_l
RMSE = 91.536
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
25
50
75
100
125
150
175
0.0
0.5
1.0
1.5
2.0
2.5

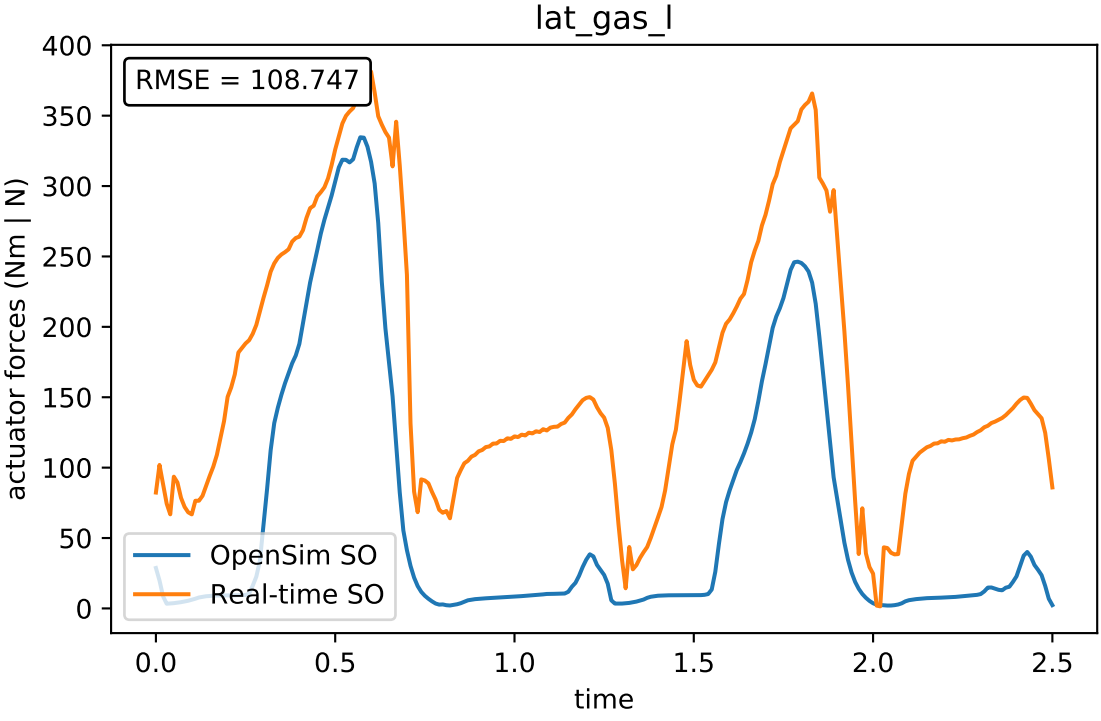

rect_fem_l
RMSE = 250.279
actuator forces (Nm | N)
400
300
200
100
0
0.0
0.5
1.0
1.5
2.0
2.5
time
OpenSim SO
Real-time SO

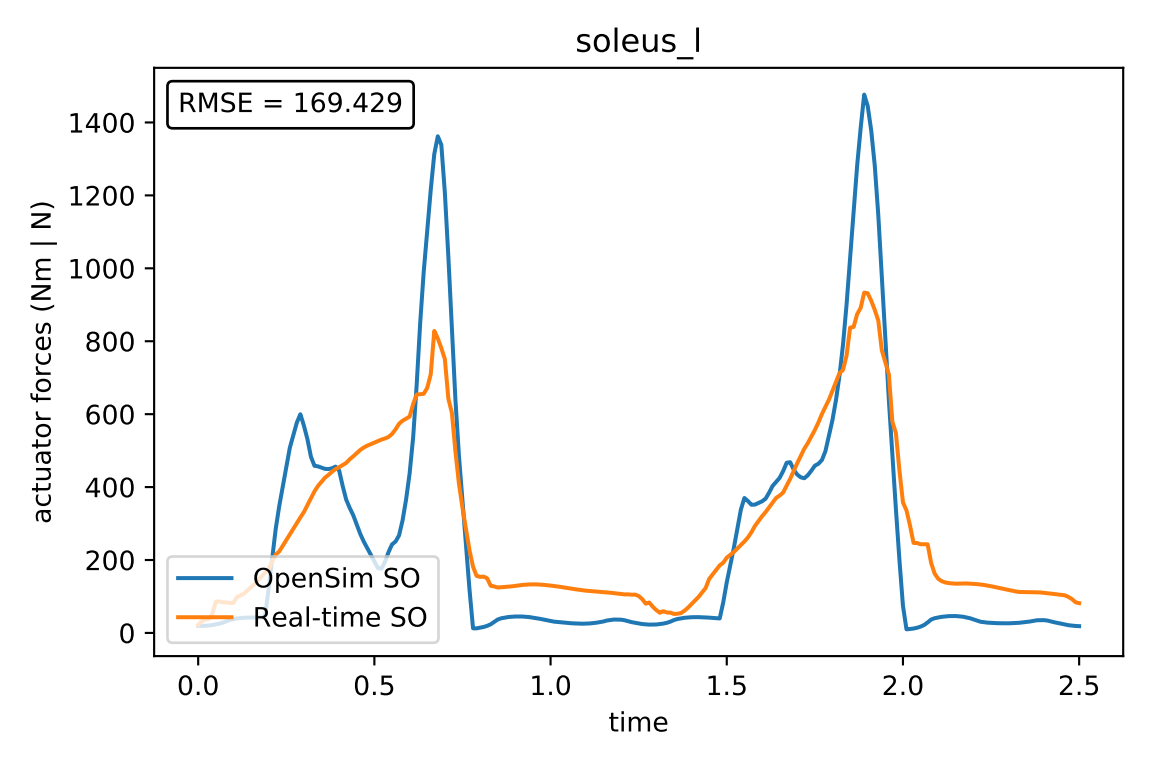

vas_med_l
RMSE = 127.398
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
400
350
300
250
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5

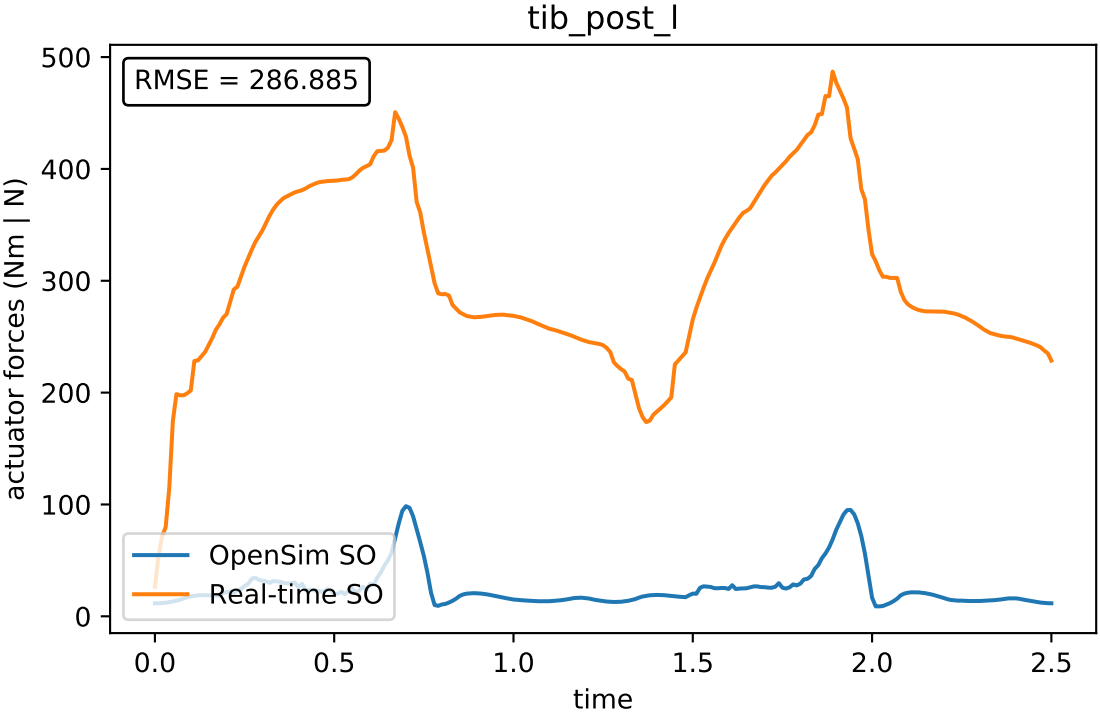

vas_int_l
RMSE = 127.085
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
300
350
400
0.0
0.5
1.0
1.5
2.0
2.5

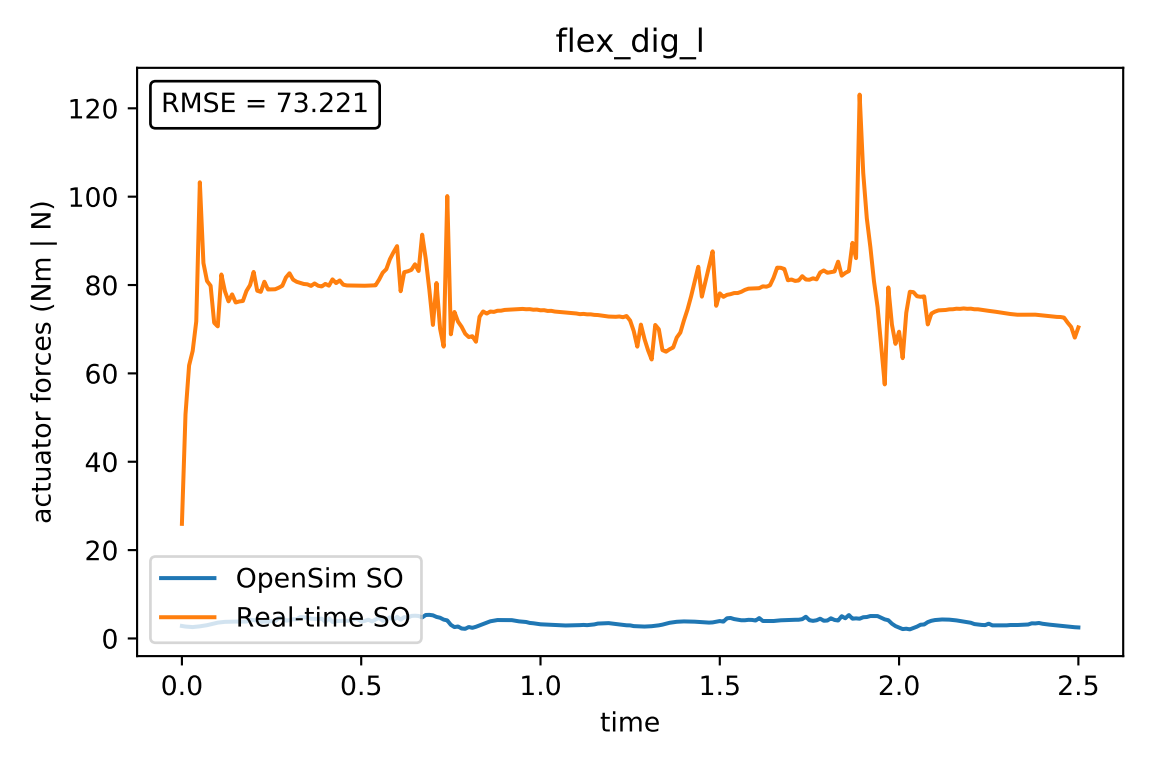

vas_lat_l
RMSE = 140.766
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
600
0.0
0.5
1.0
1.5
2.0
2.5

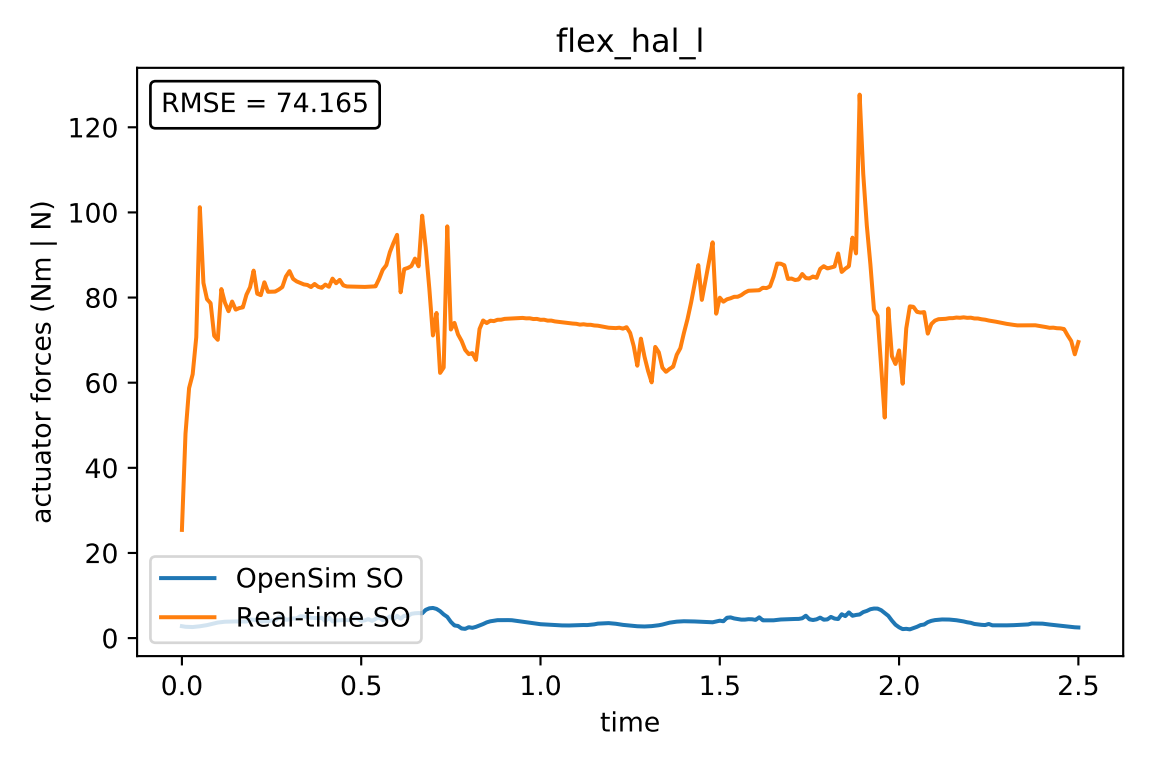

med_gas_l
RMSE = 237.648
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
200
400
600
800
1000
1200
1400
0.0
0.5
1.0
1.5
2.0
2.5

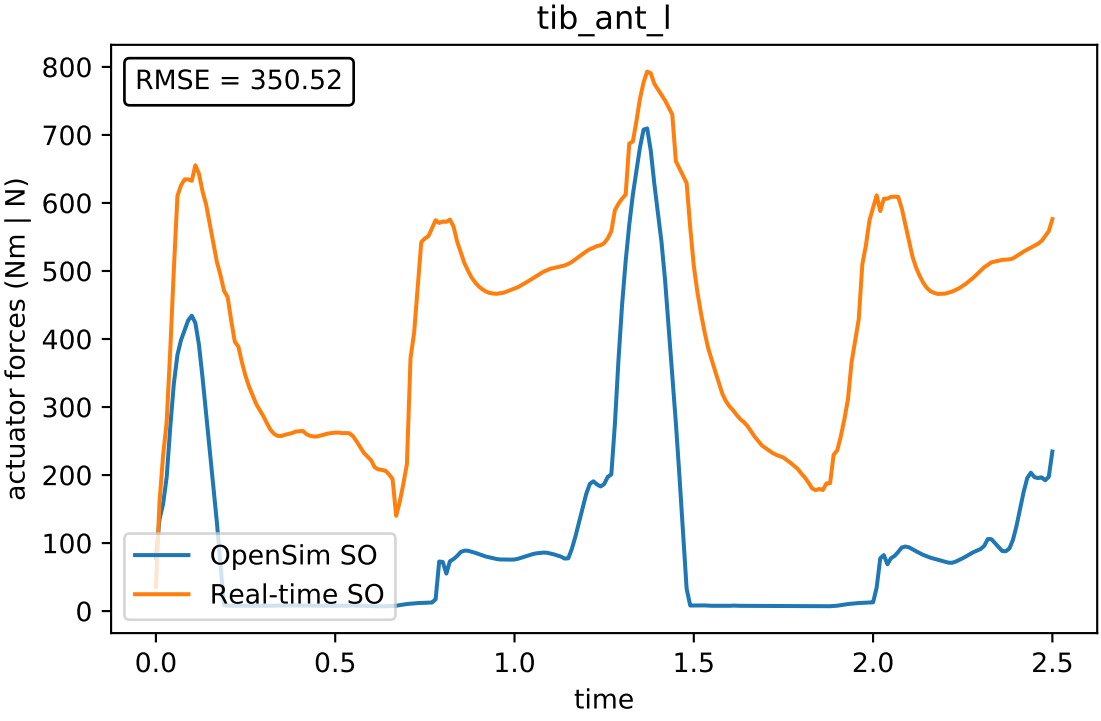

lat_gas_l
RMSE = 108.747
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
400
350
300
250
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5

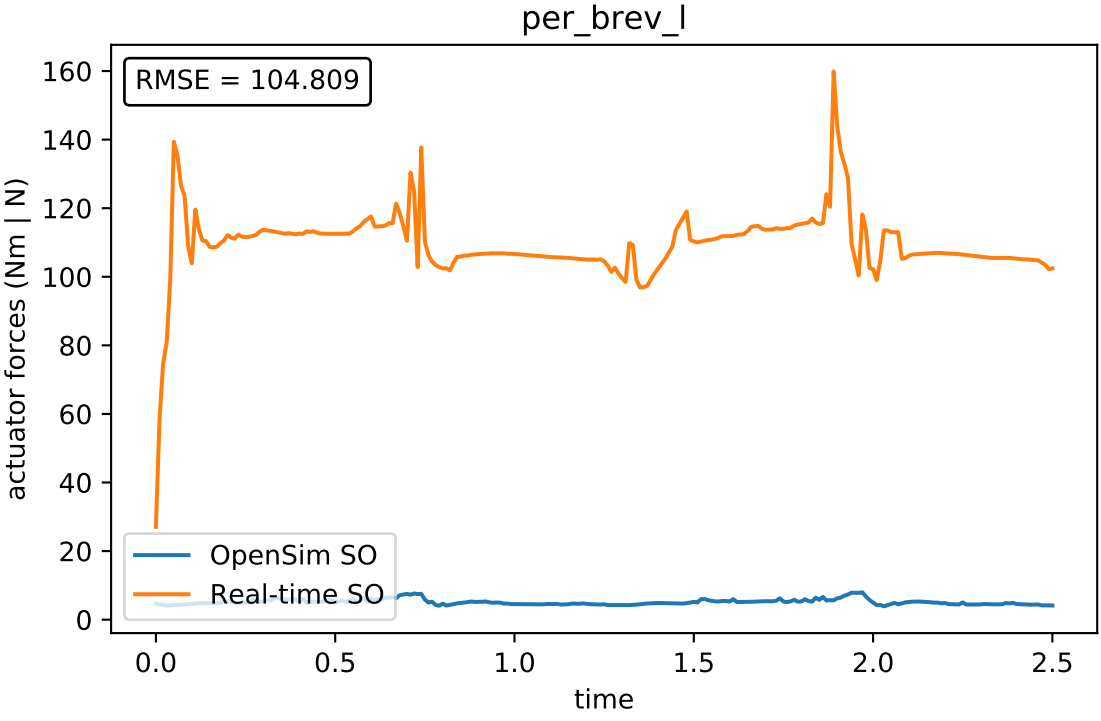

soleus_l
RMSE = 169.429
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
200
400
600
800
1000
1200
1400
0.0
0.5
1.0
1.5
2.0
2.5

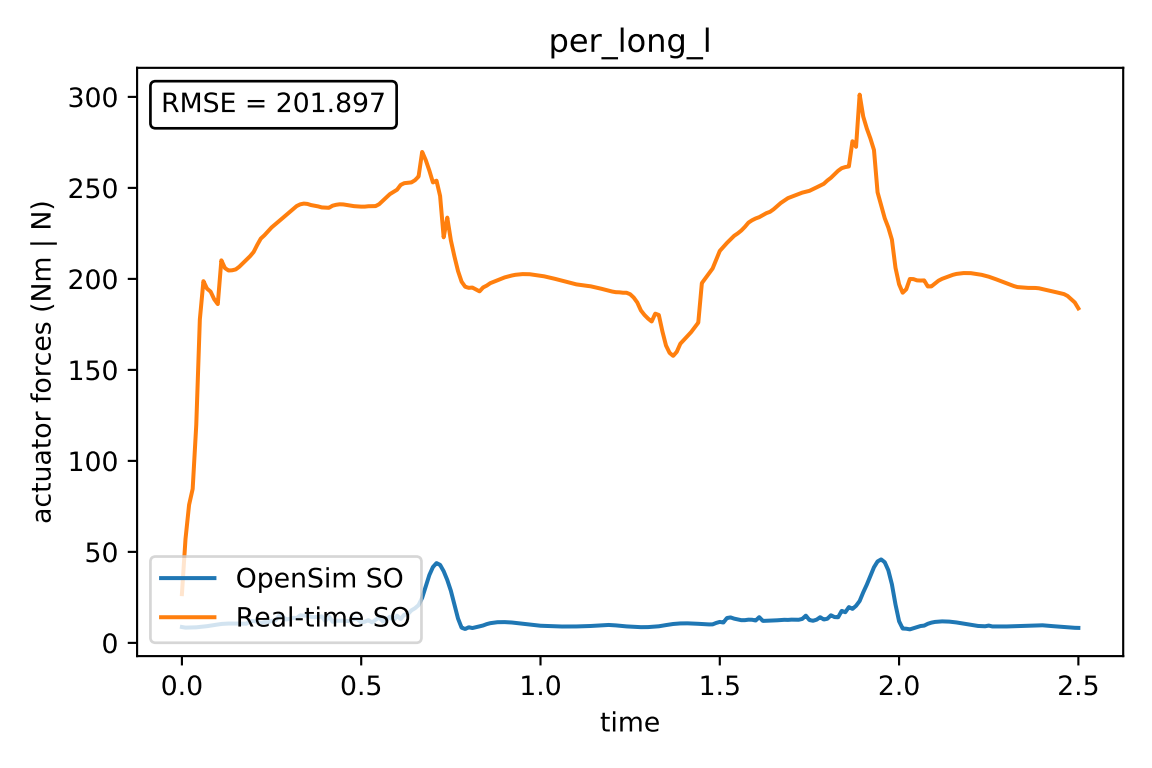

tib_post_l
RMSE = 286.885
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
0.0
0.5
1.0
1.5
2.0
2.5

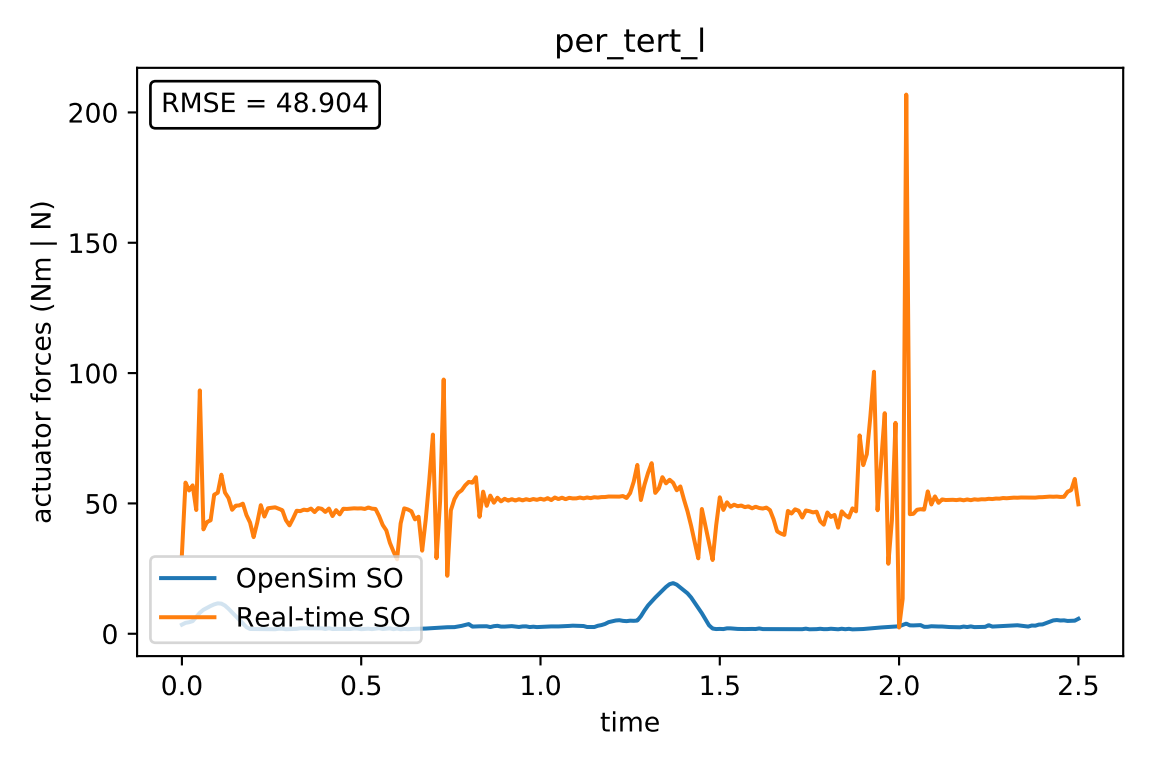

flex_dig_l
RMSE = 73.221
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

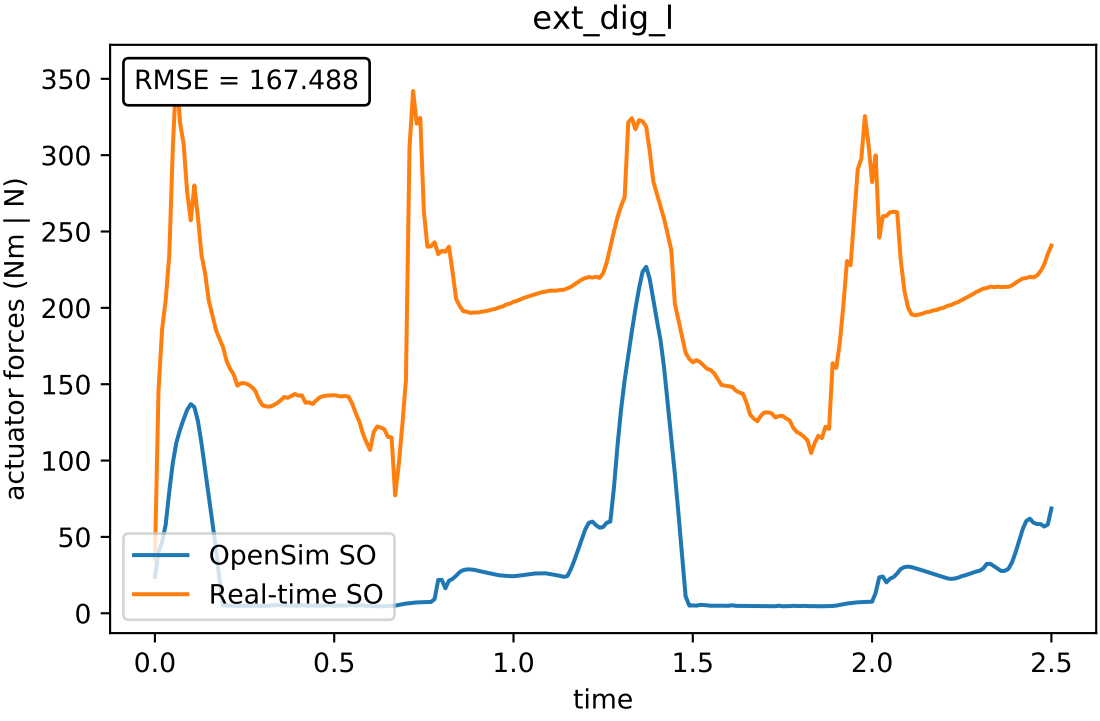

flex_hal_l
RMSE = 74.165
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5

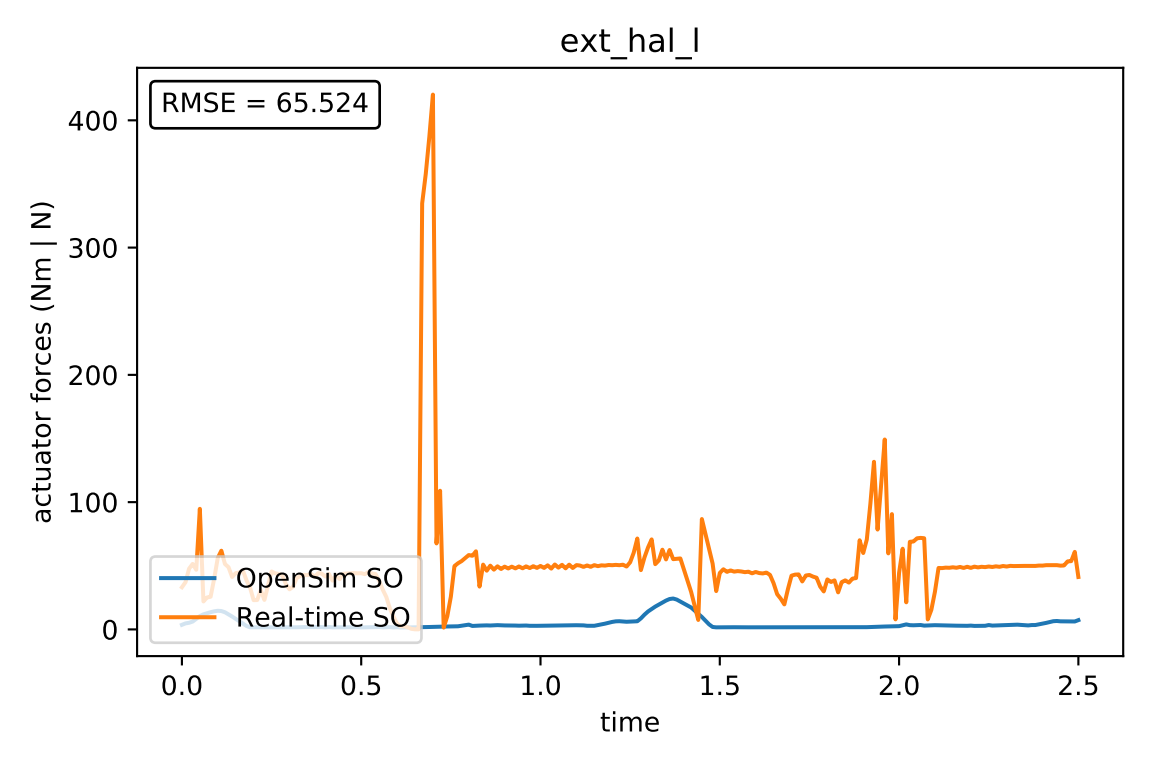

tib_ant_l
RMSE = 350.52
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
100
200
300
400
500
600
700
800
0.0
0.5
1.0
1.5
2.0
2.5

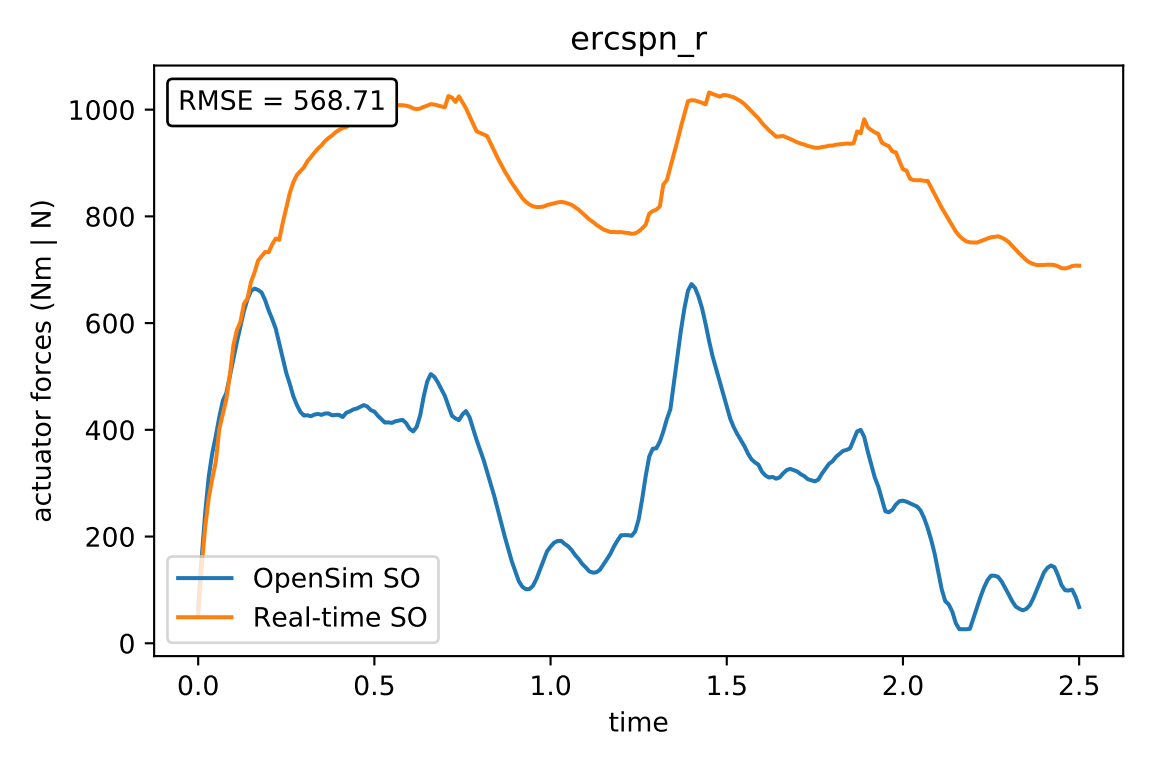

per_brev_l
RMSE = 104.809
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
20
40
60
80
100
120
140
160
0.0
0.5
1.0
1.5
2.0
2.5

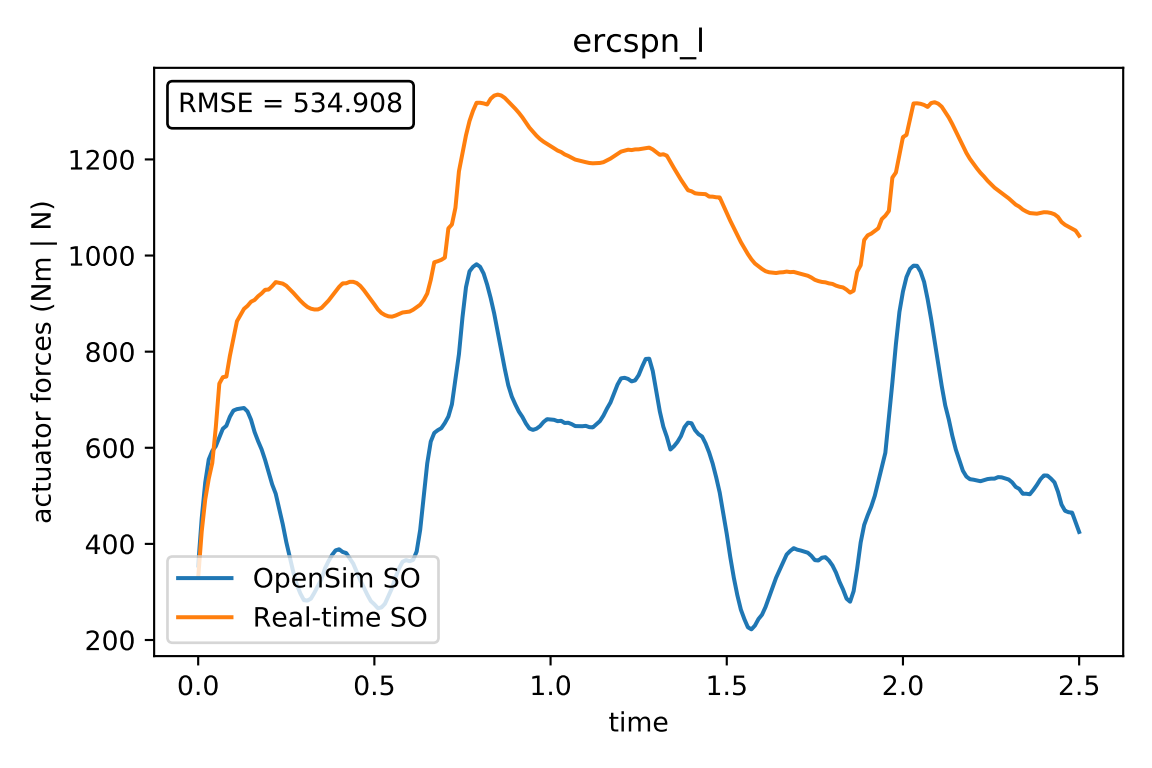

per_long_l
RMSE = 201.897
actuator forces (Nm | N)
time
OpenSim SO
Real-time SO
0
50
100
150
200
250
300
0.0
0.5
1.0
1.5
2.0
2.5

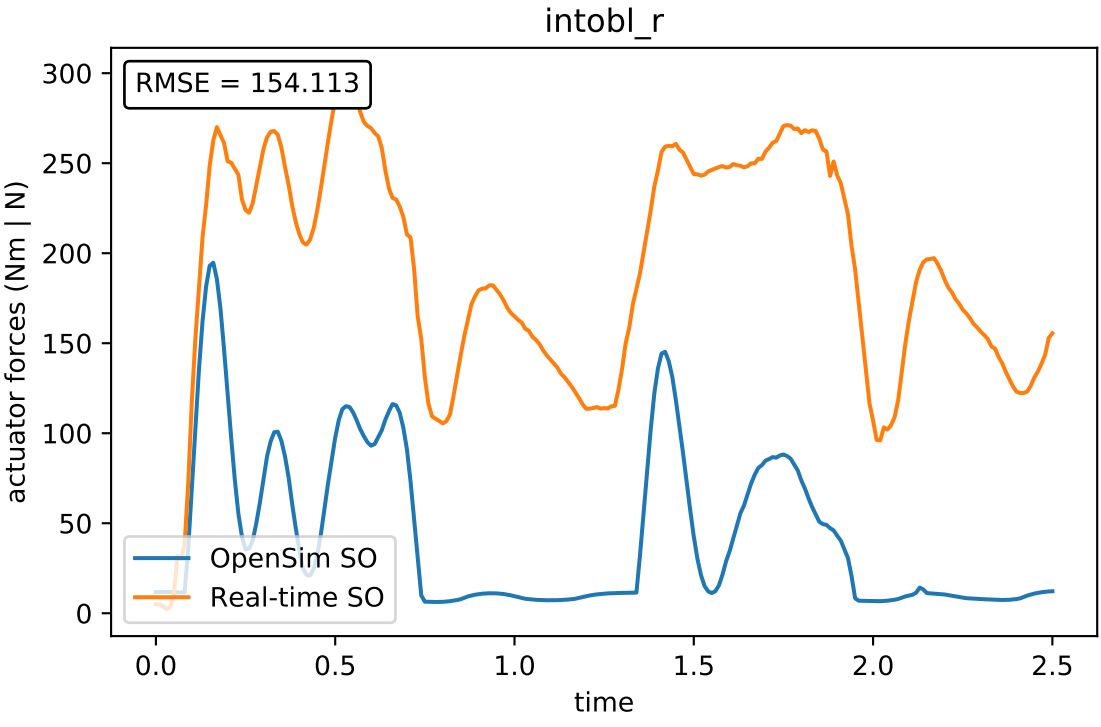

per_tert_l
RMSE = 48.904
200
150
100
50
0
actuator forces (Nm | N)
0.0
0.5
1.0
1.5
2.0
2.5
time
OpenSim SO
Real-time SO


ext_dig_l
RMSE = 167.488
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
50
100
150
200
250
300
350
0.0
0.5
1.0
1.5
2.0
2.5


ext_hal_l
RMSE = 65.524
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
400
300
200
100
0
0.0
0.5
1.0
1.5
2.0
2.5


ercspn_r
RMSE = 568.71
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
0
200
400
600
800
1000
0.0
0.5
1.0
1.5
2.0
2.5


ercspn_l
RMSE = 534.908
1200
1000
800
600
400
200
actuator forces (Nm | N)
0.0
0.5
1.0
1.5
2.0
2.5
time
OpenSim SO
Real-time SO


intobl_r
RMSE = 154.113
OpenSim SO
Real-time SO
actuator forces (Nm | N)
time
300
250
200
150
100
50
0
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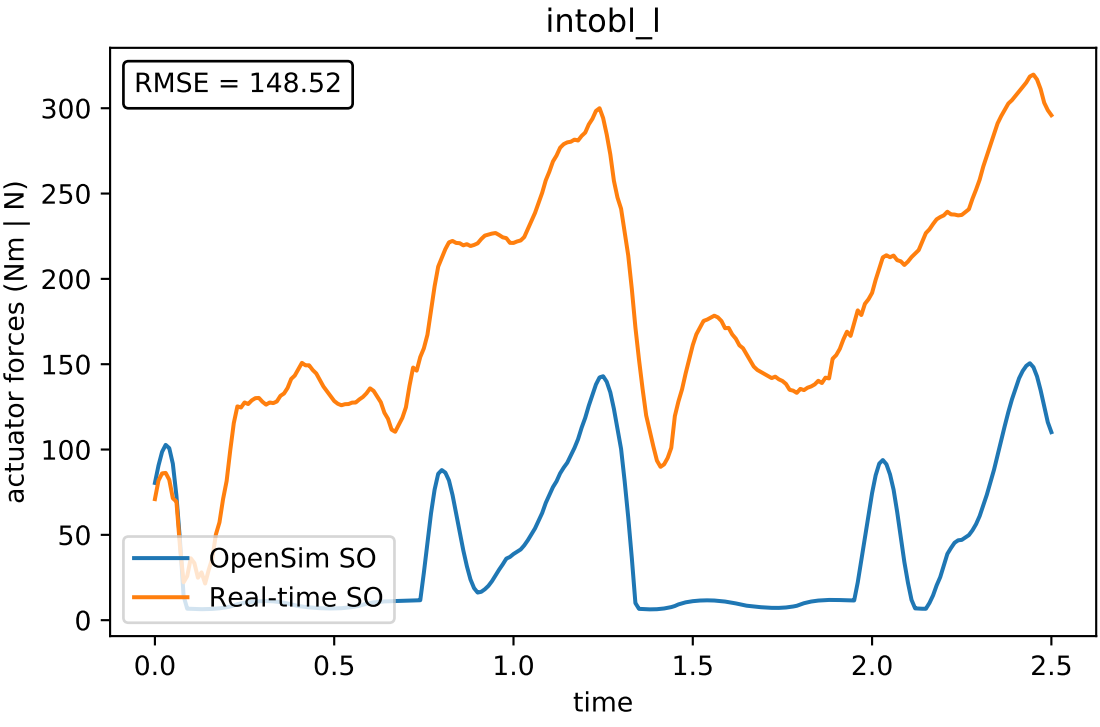
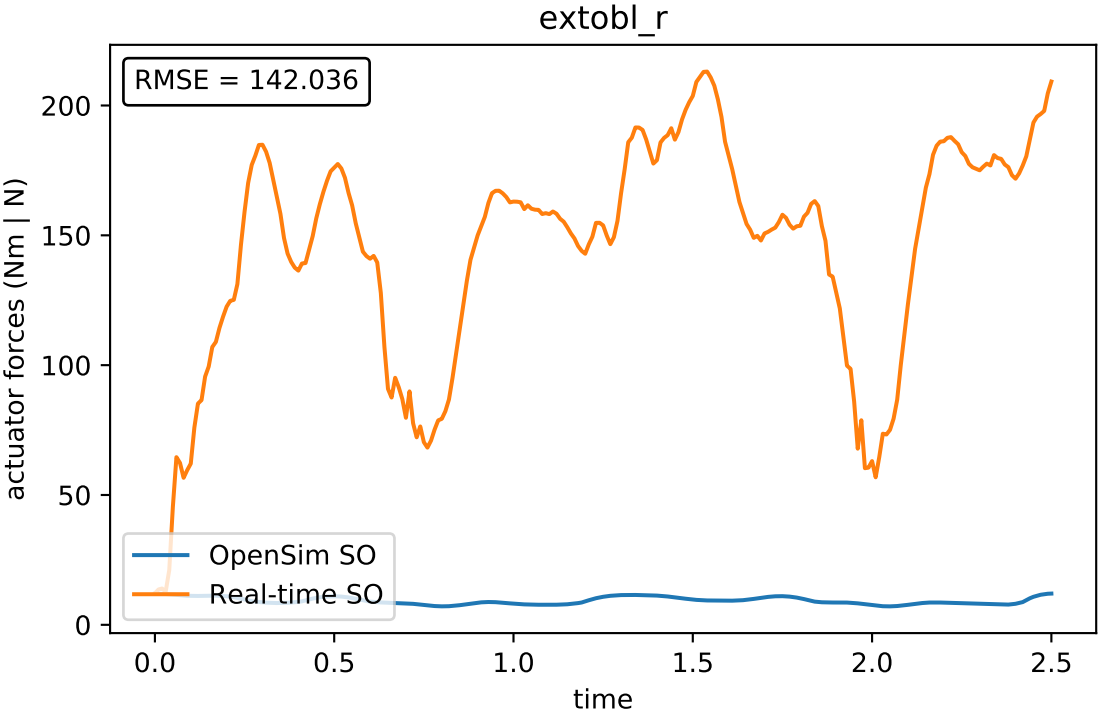
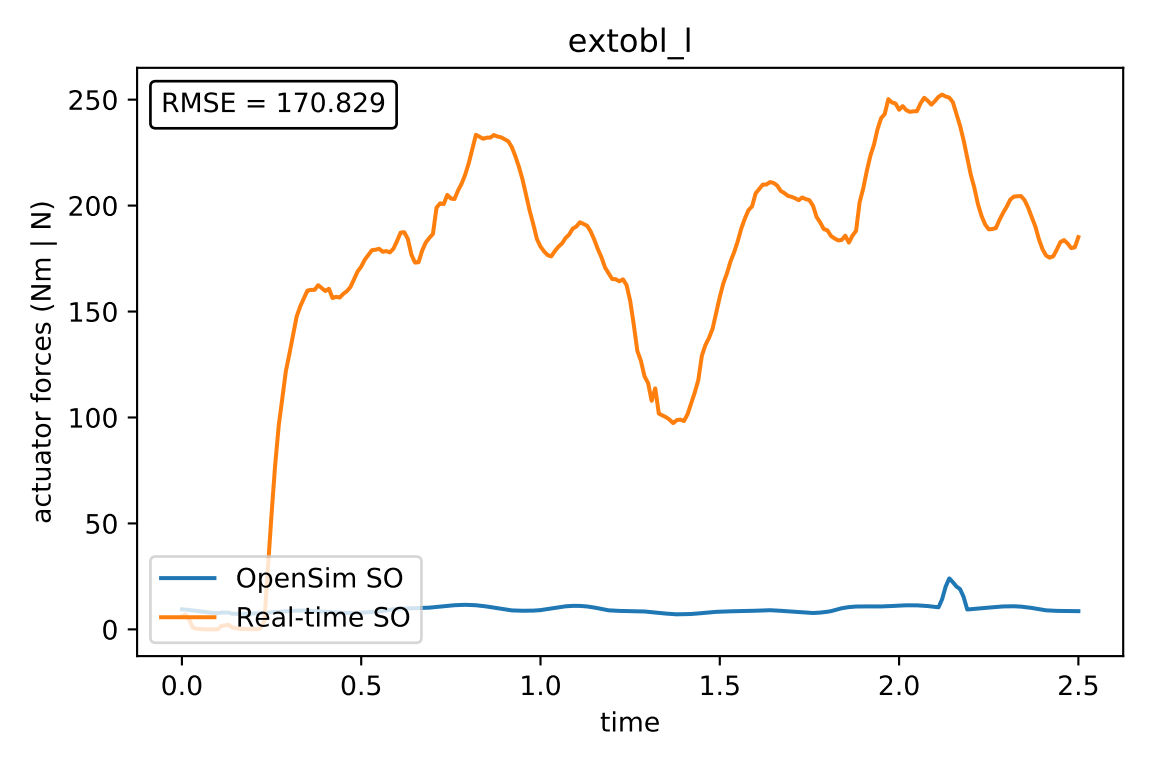
0.5
1.0
1.5
2.0
2.5


intobl_l
RMSE = 148.52
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


extobl_r
RMSE = 142.036
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


extobl_l
RMSE = 170.829
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