

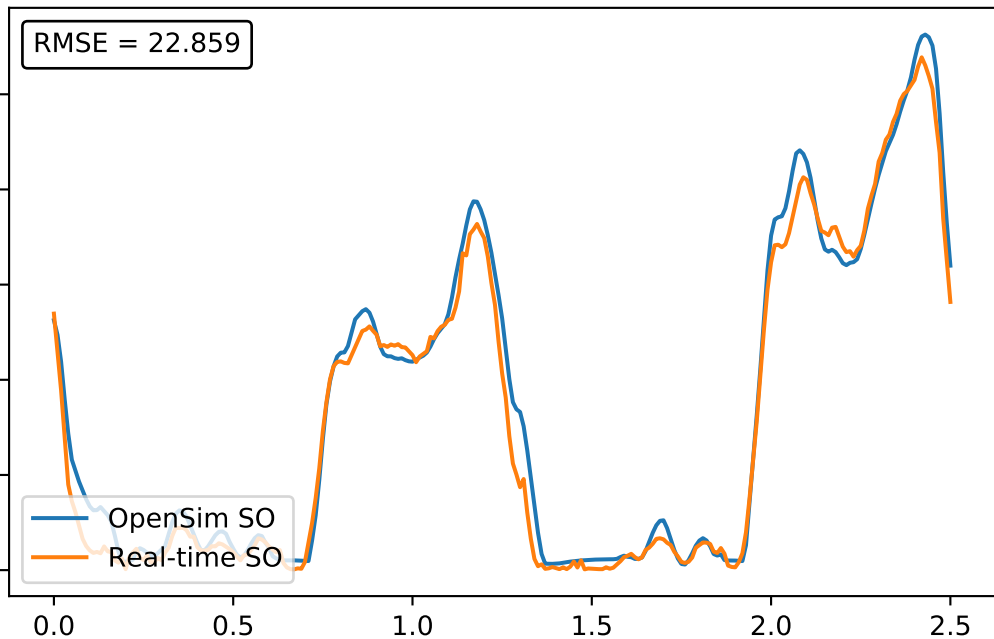
glut_med1_r

RMSE = 22.859

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



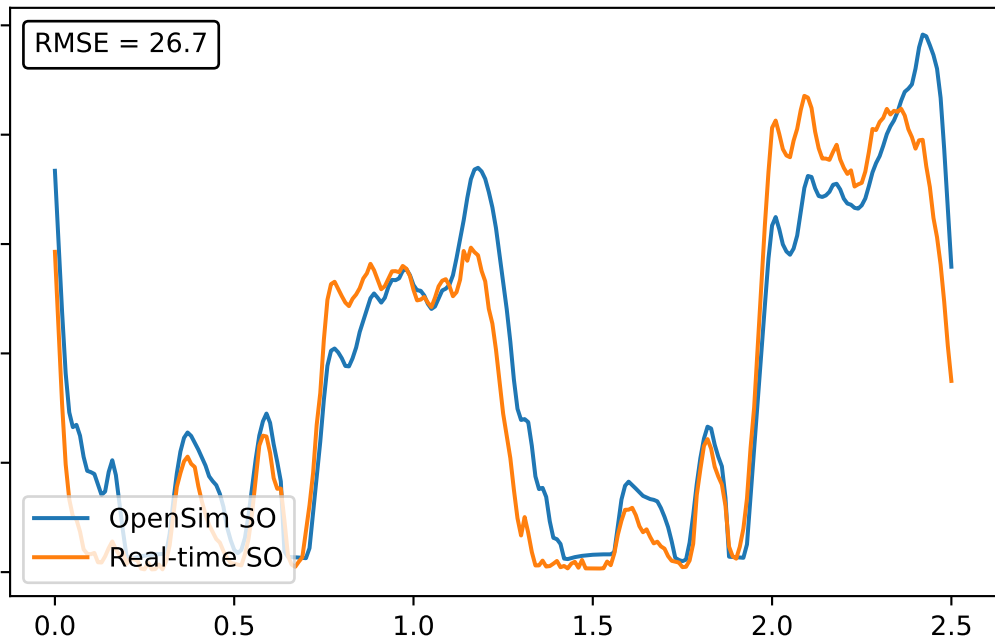
glut_med2_r

RMSE = 26.7

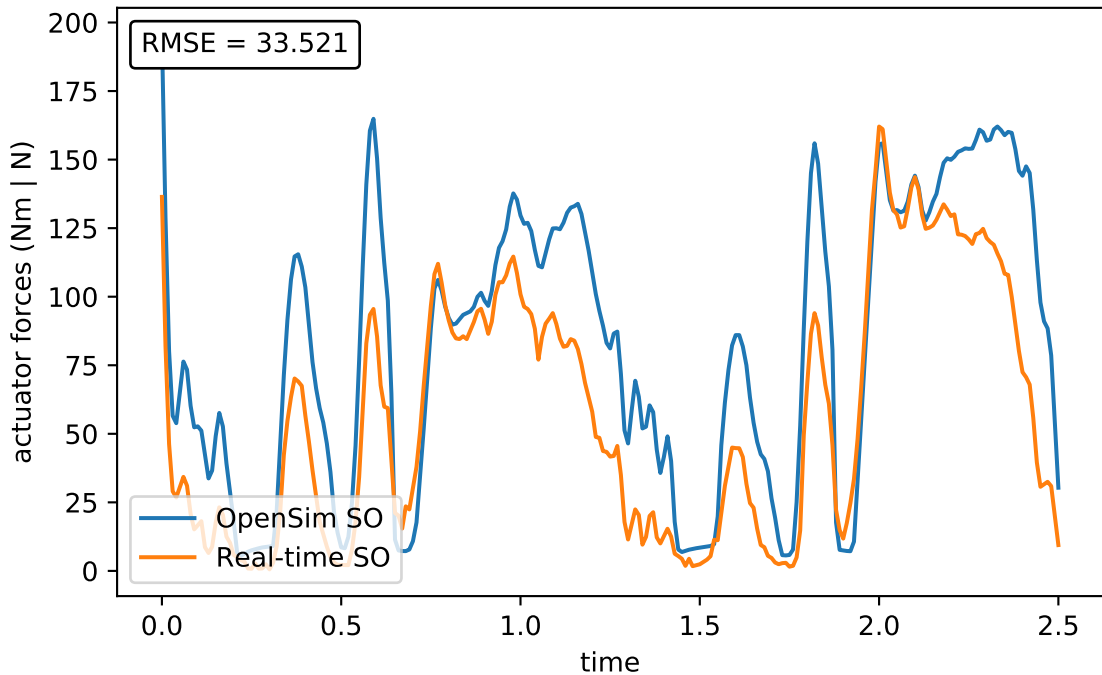
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



glut_med3_r



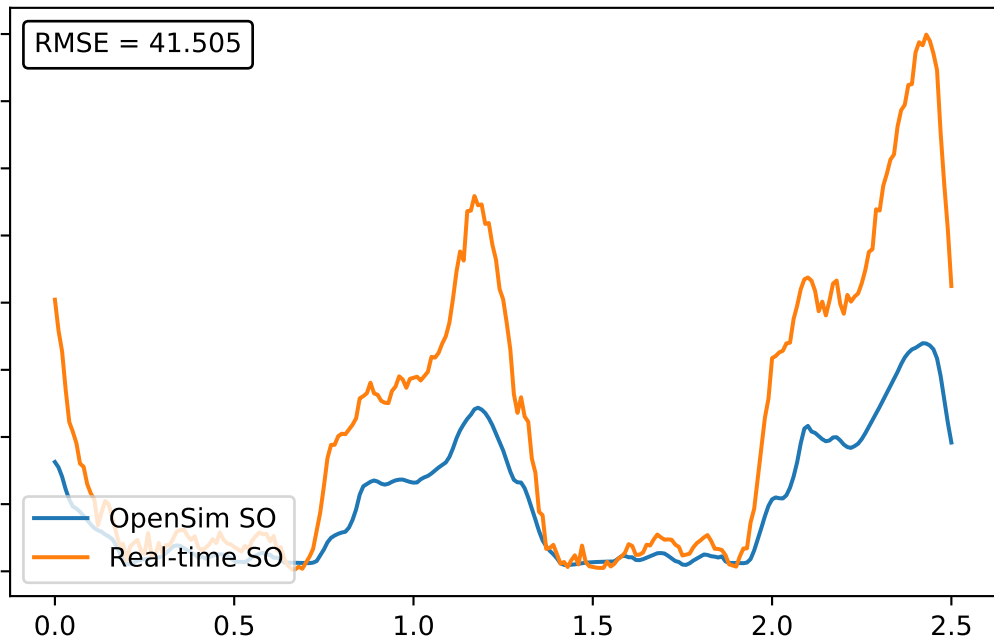
glut_min1_r

RMSE = 41.505

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



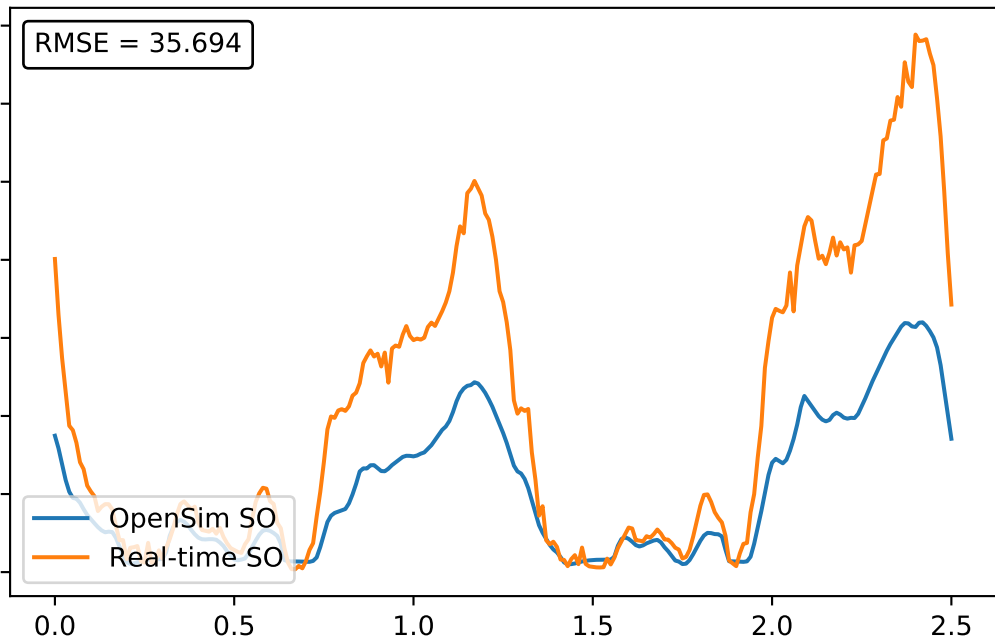
glut_min2_r

RMSE = 35.694

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



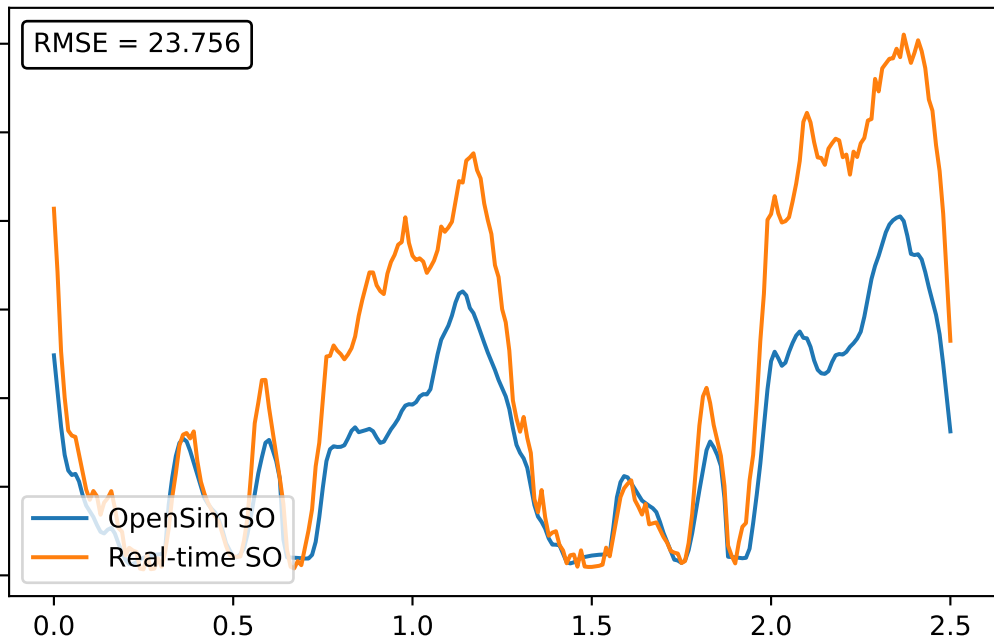
glut_min3_r

RMSE = 23.756

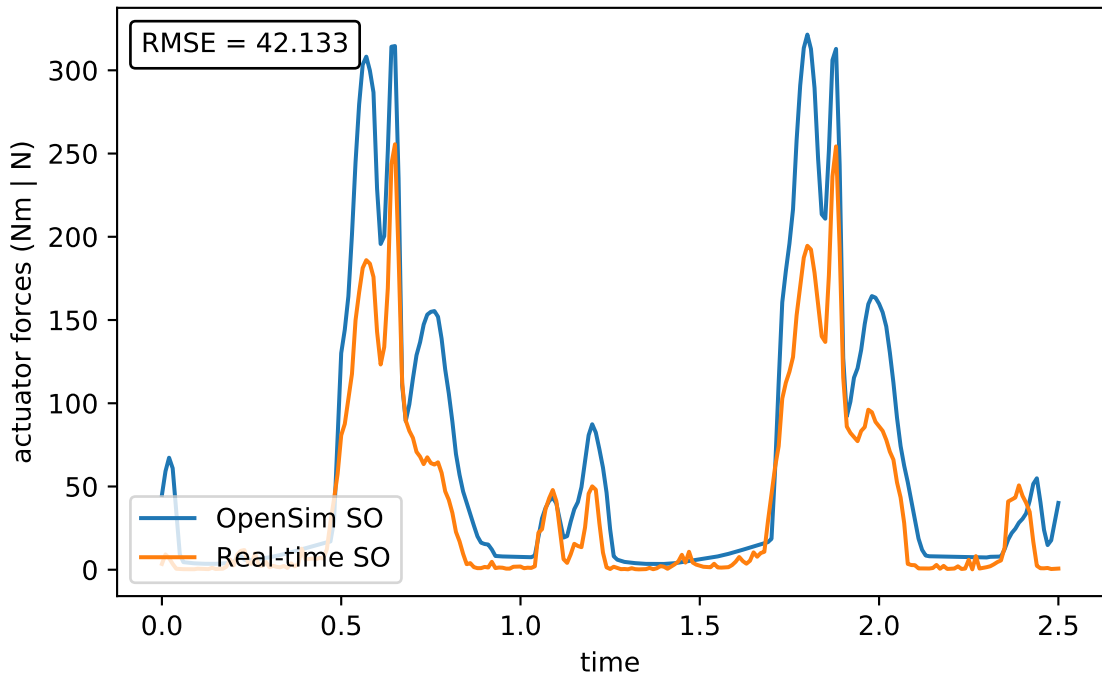
actuator forces (Nm | N)

OpenSim SO
Real-time SO

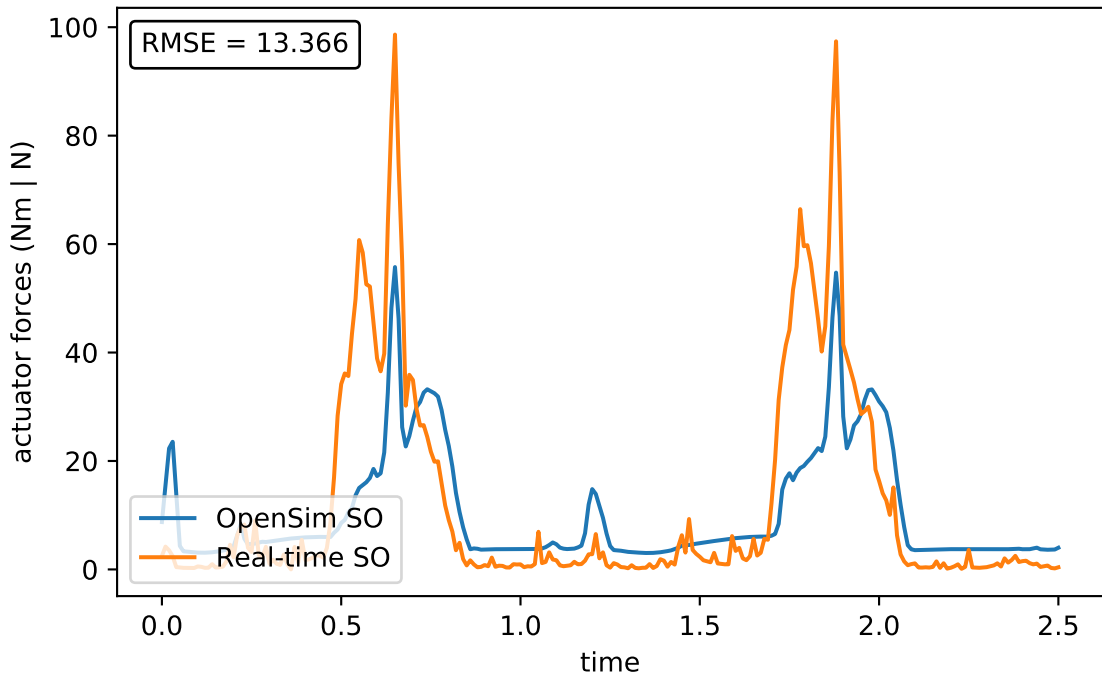
time



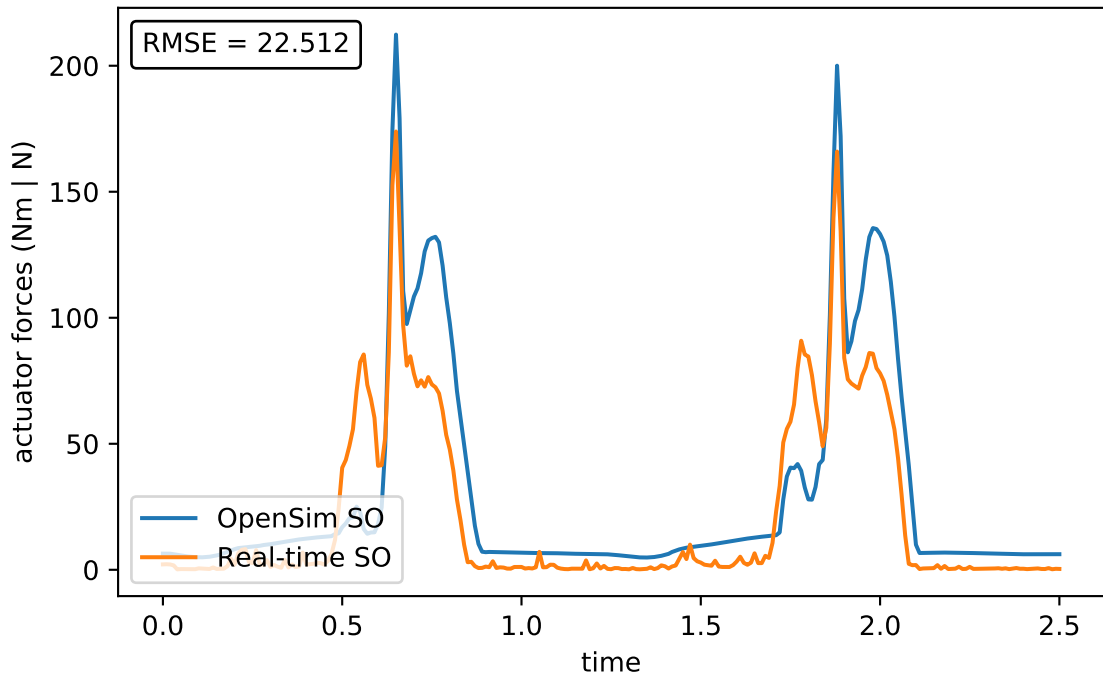
semimem_r



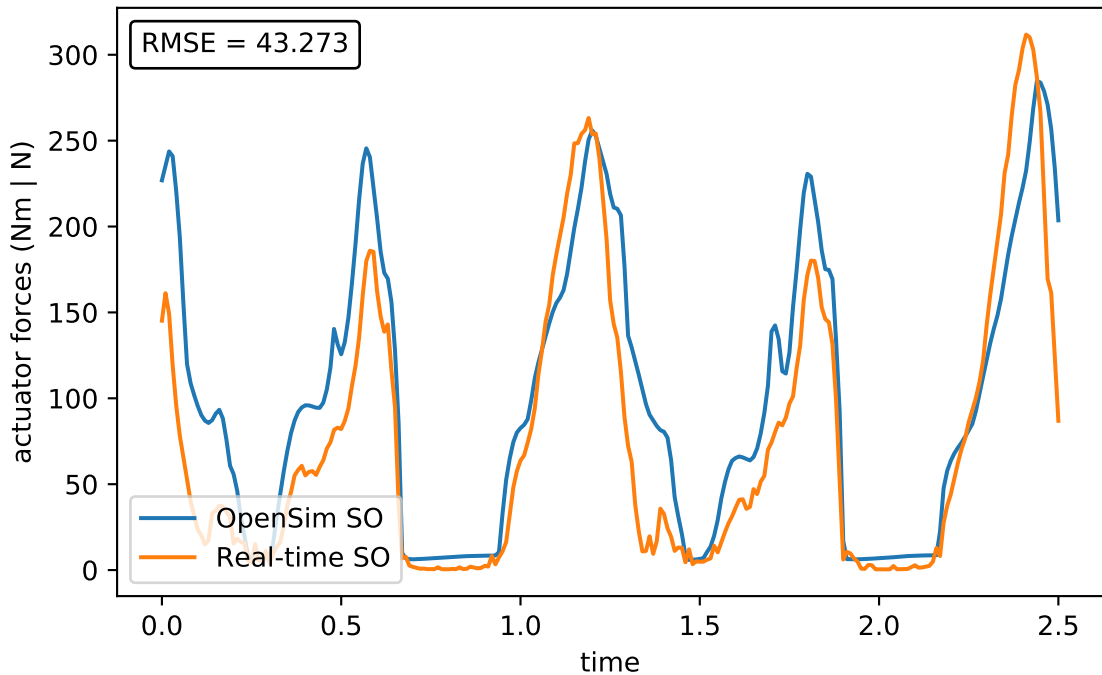
semiten_r



bifemlh_r



bifemsh_r



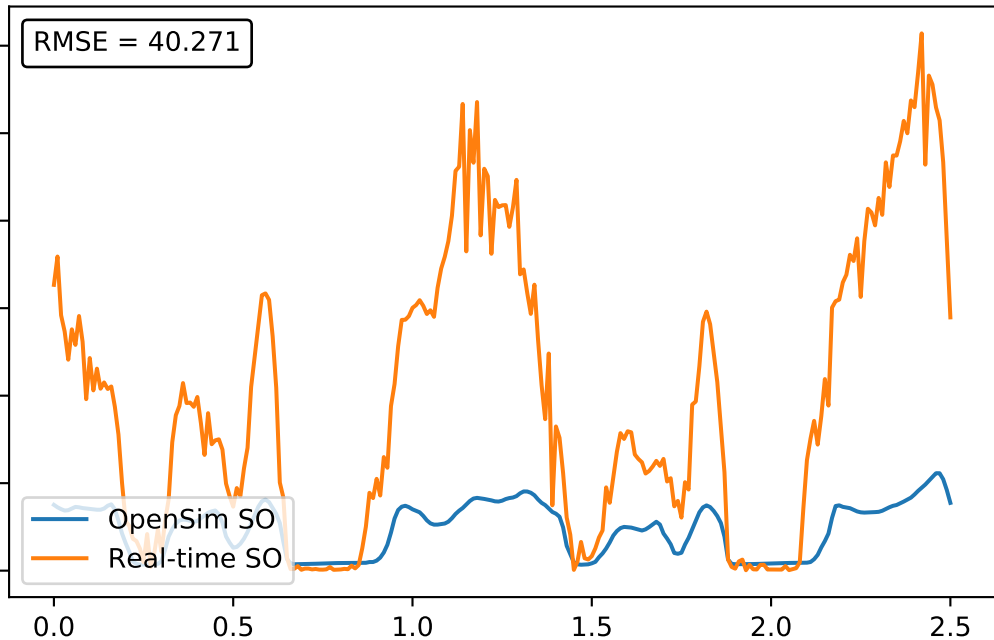
sar_r

RMSE = 40.271

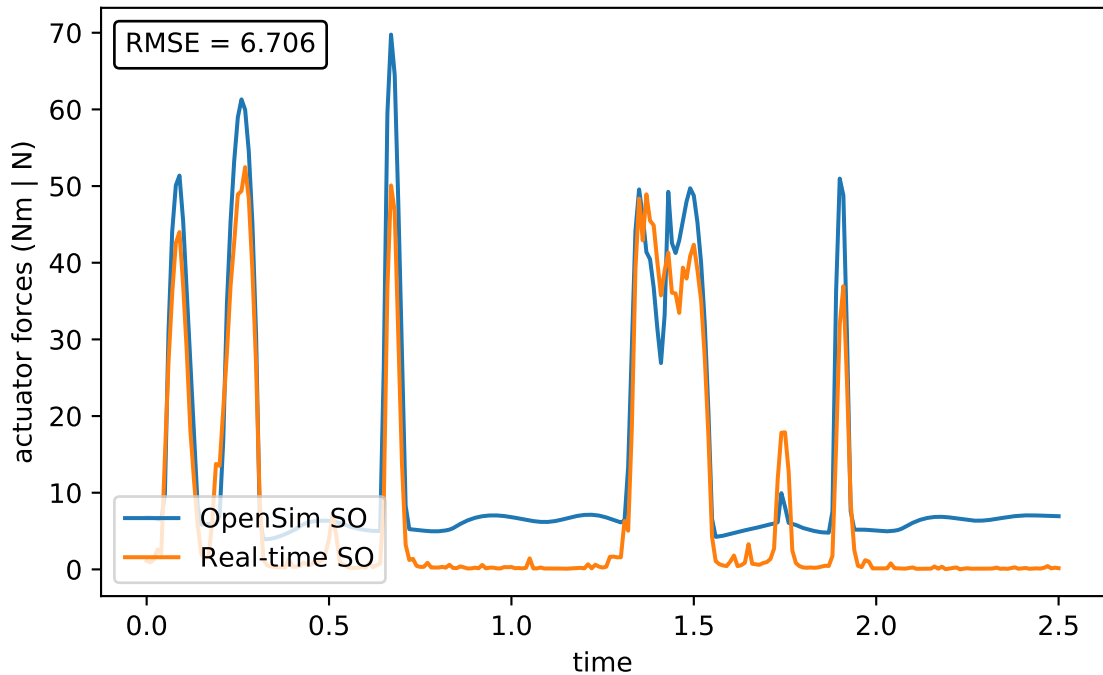
actuator forces (Nm | N)

OpenSim SO
Real-time SO

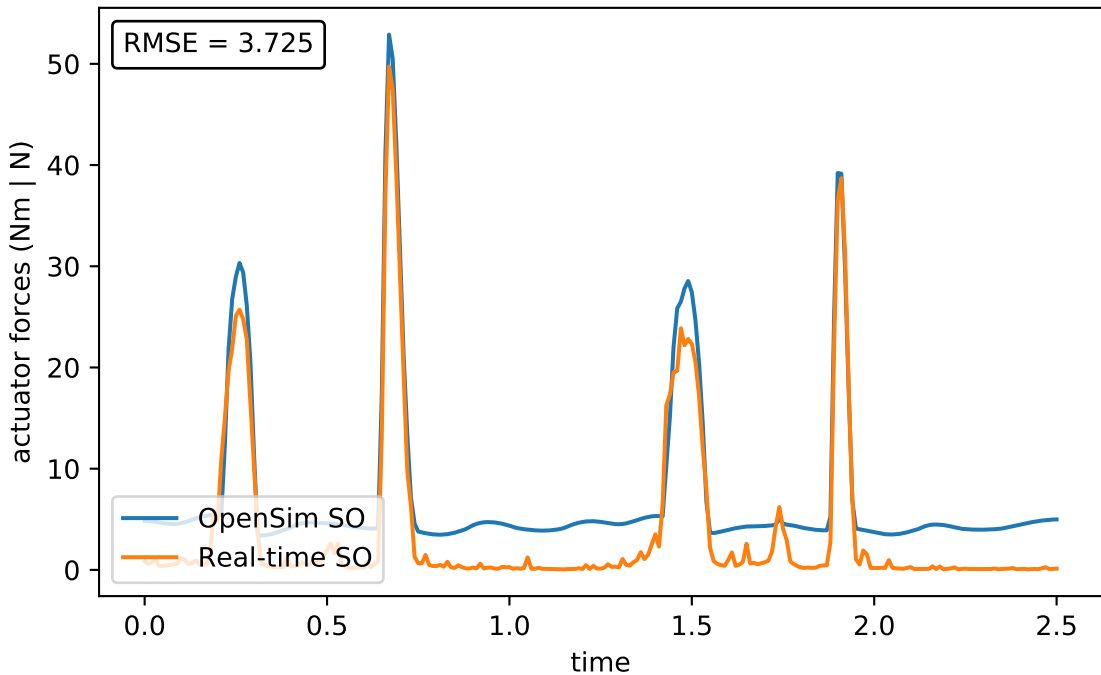
time



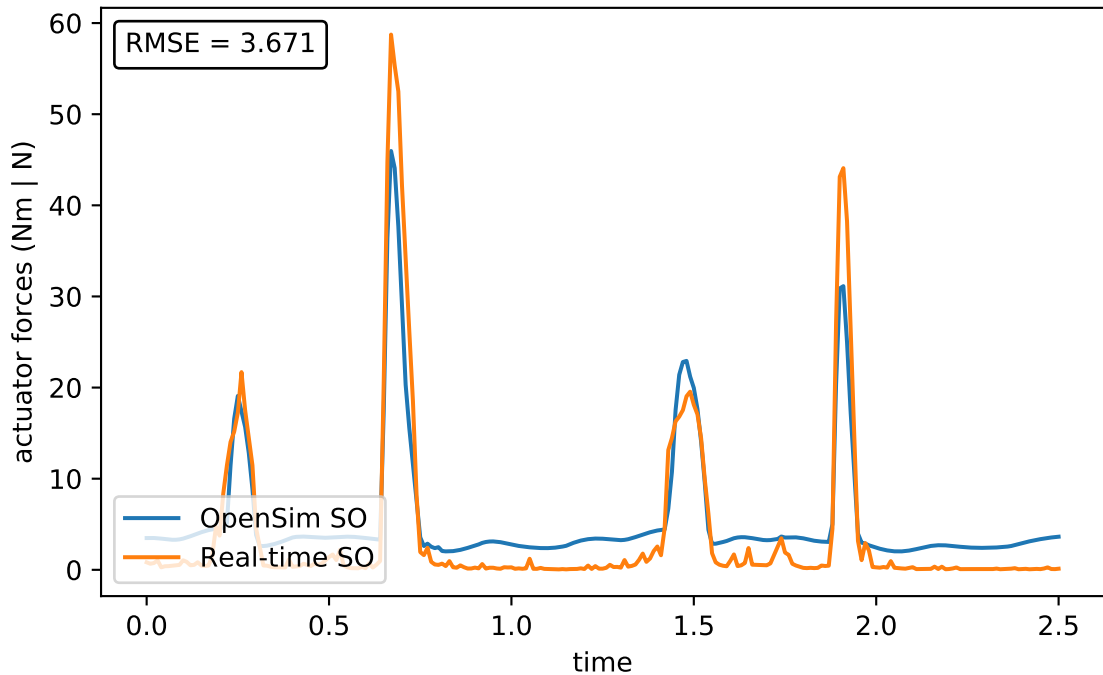
add_long_r



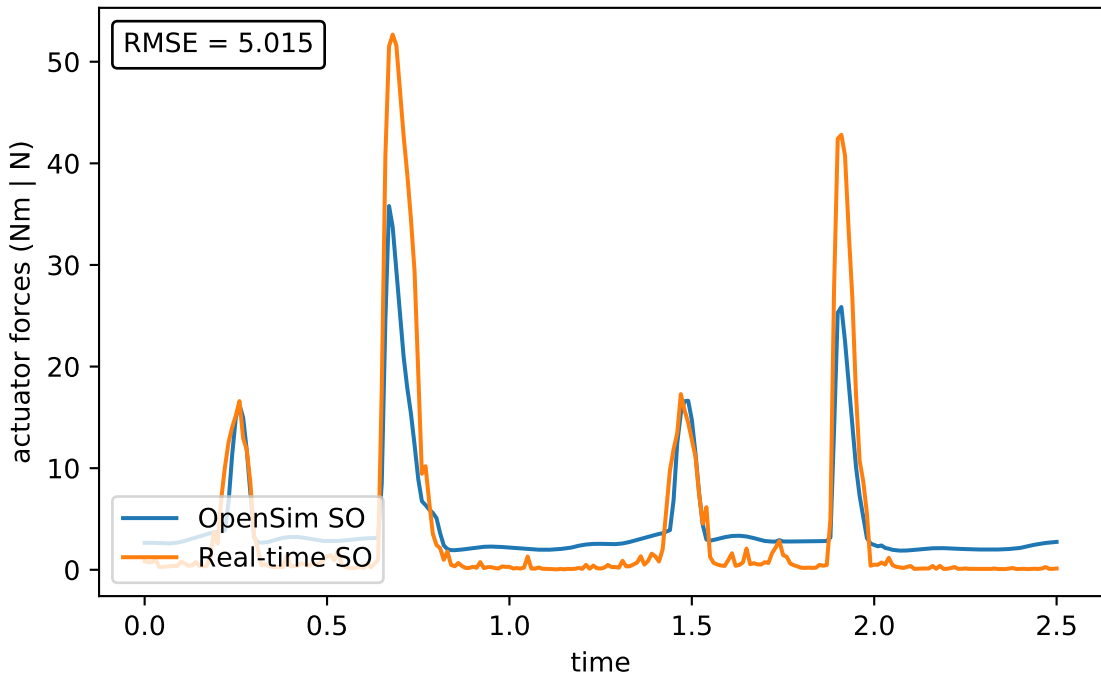
add_brev_r



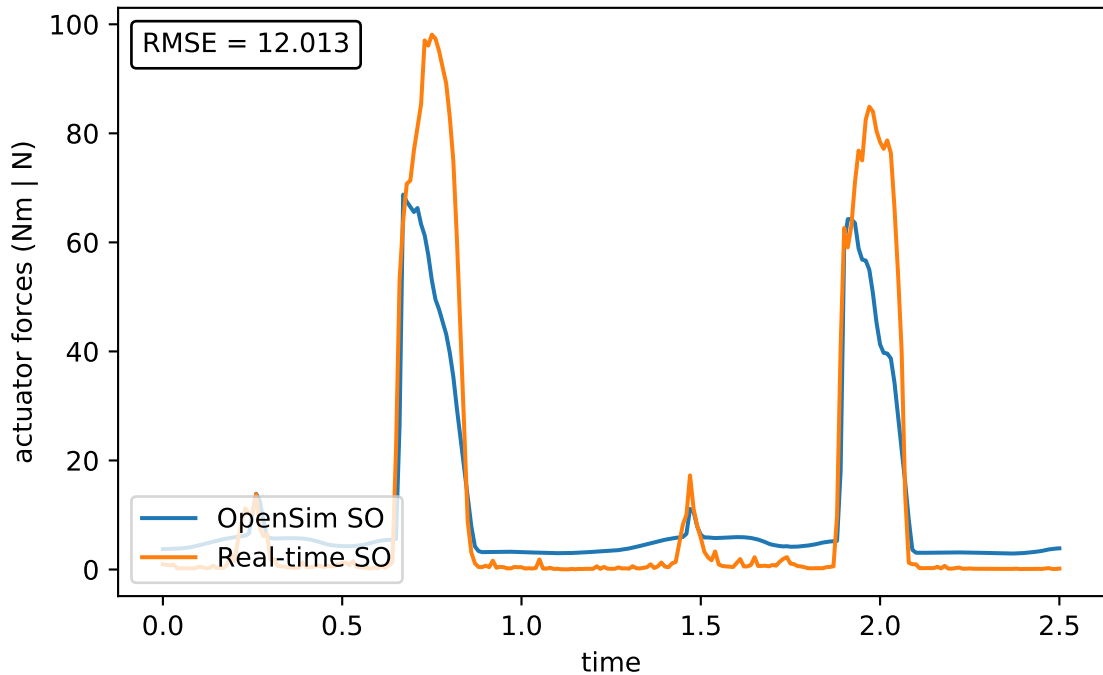
add_mag1_r



add_mag2_r



add_mag3_r



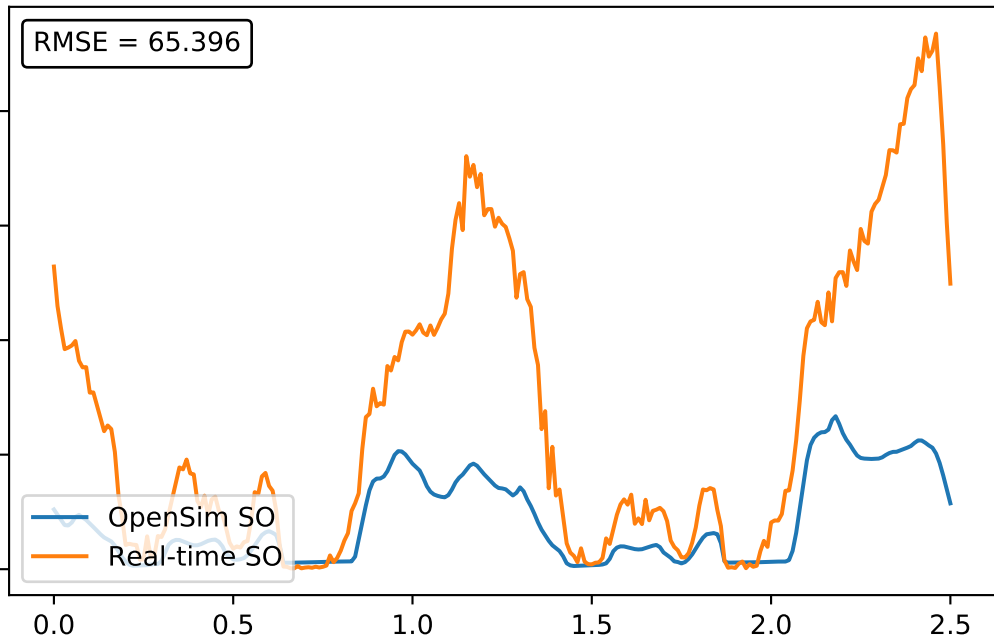
tfl_r

RMSE = 65.396

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



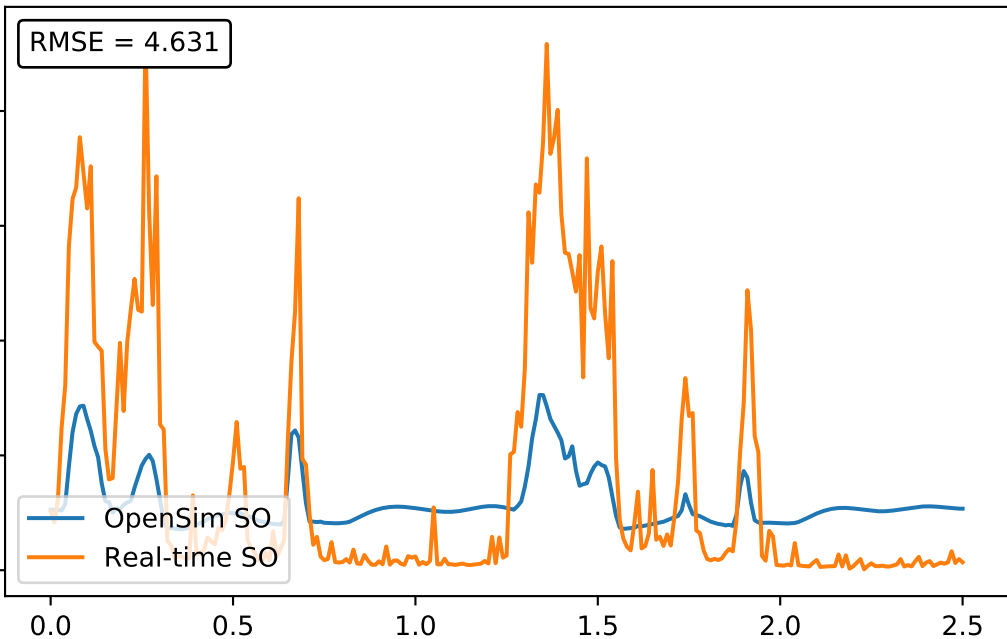
pect_r

RMSE = 4.631

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



grac_r

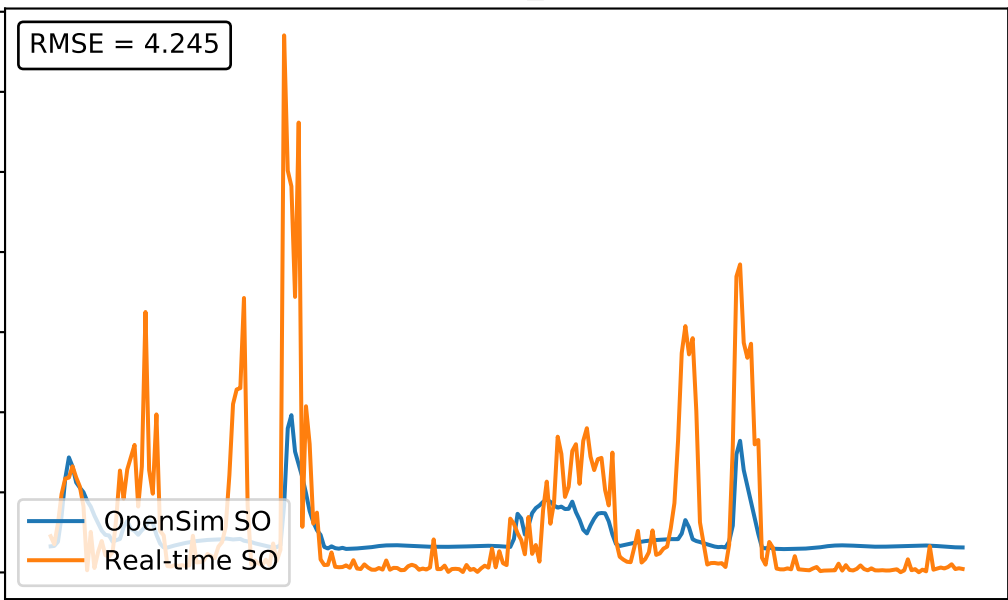
RMSE = 4.245

actuator forces (Nm | N)

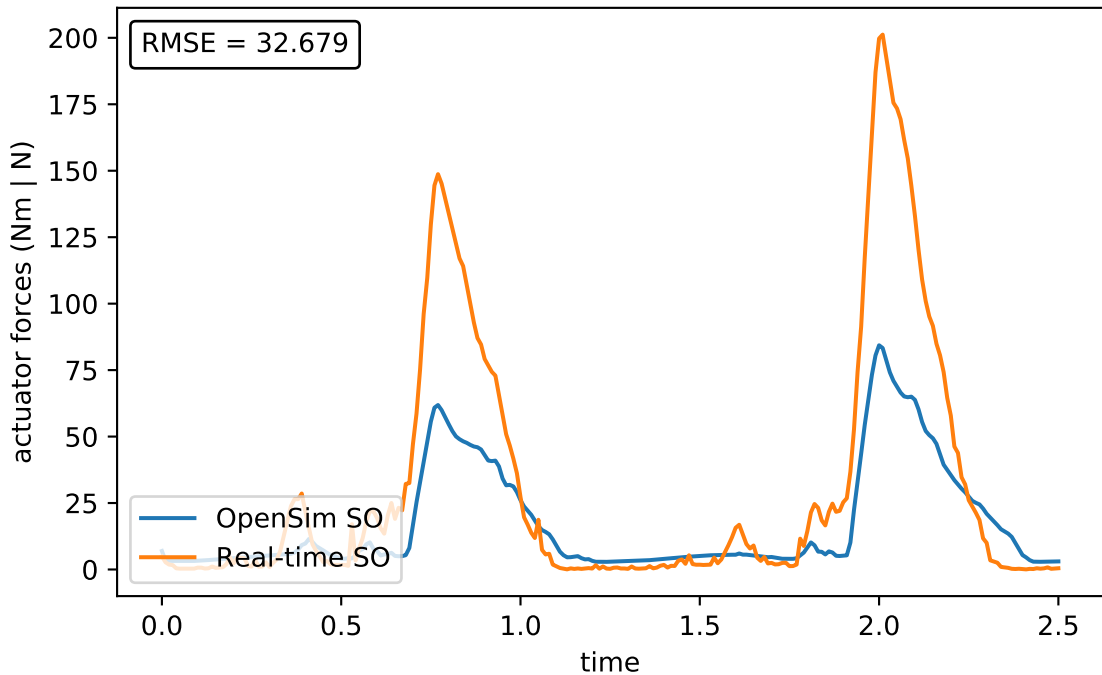
OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5



glut_max1_r



glut_max2_r

RMSE = 17.93

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0

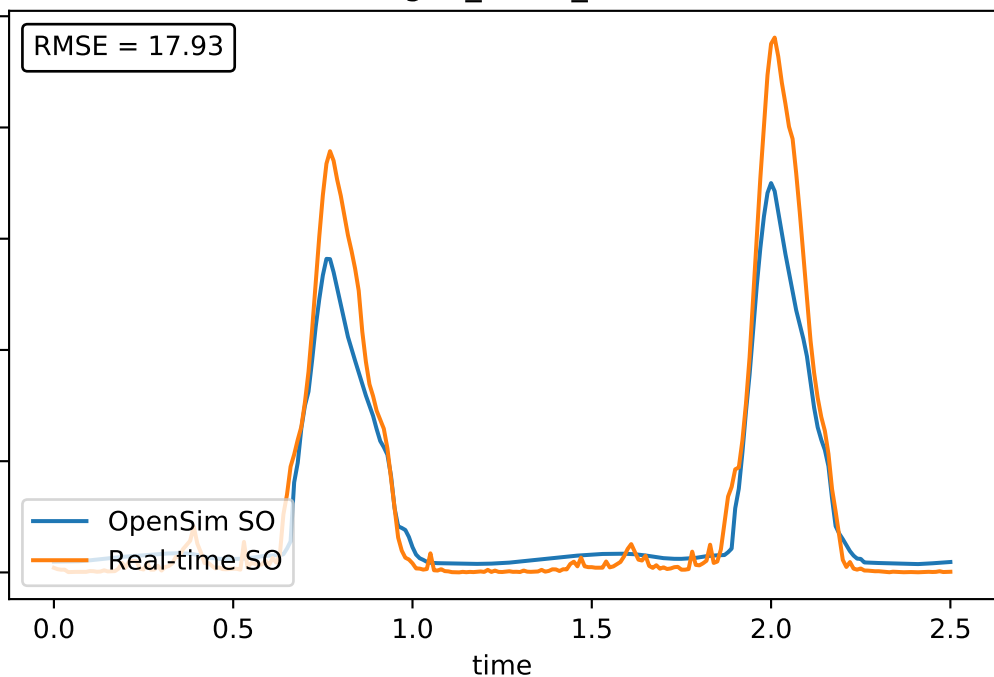
0.5

1.0

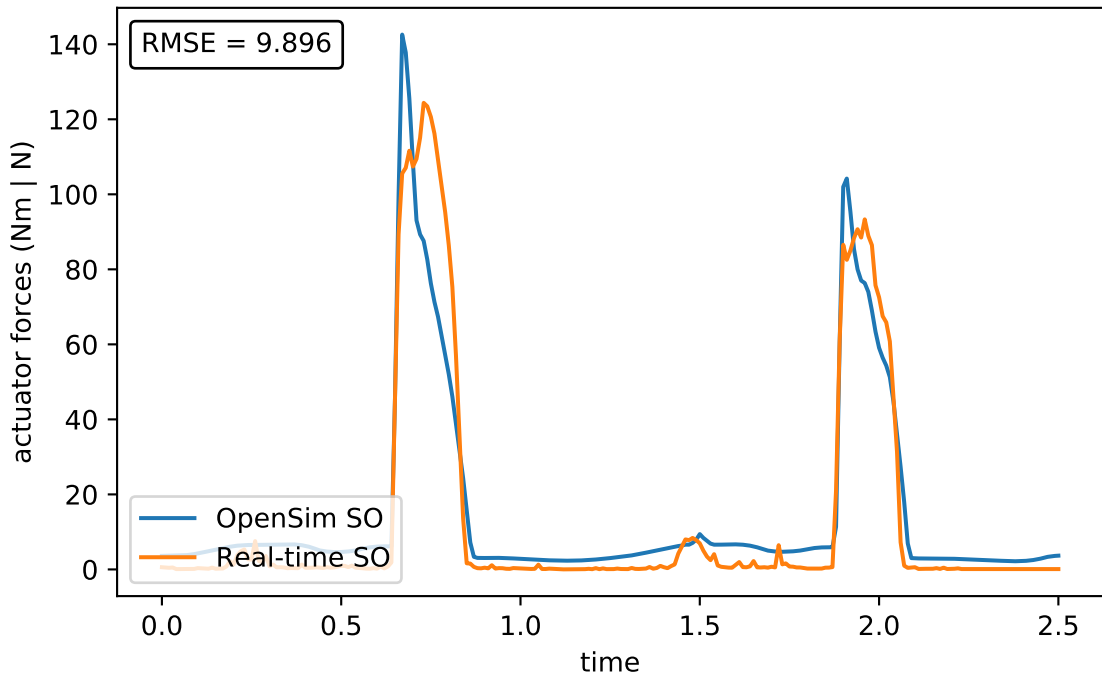
1.5

2.0

2.5



glut_max3_r



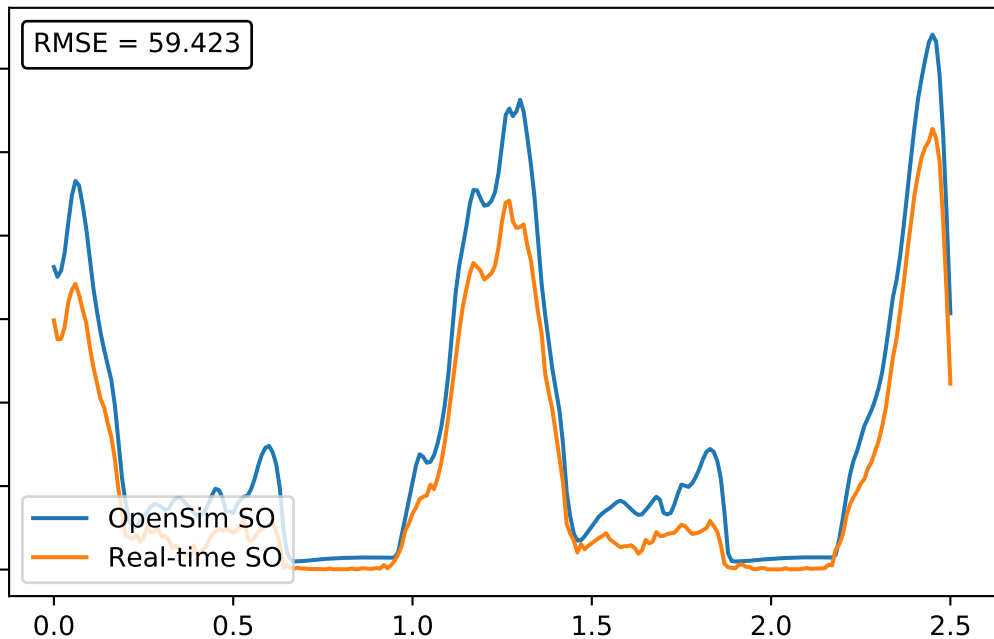
iliacus_r

RMSE = 59.423

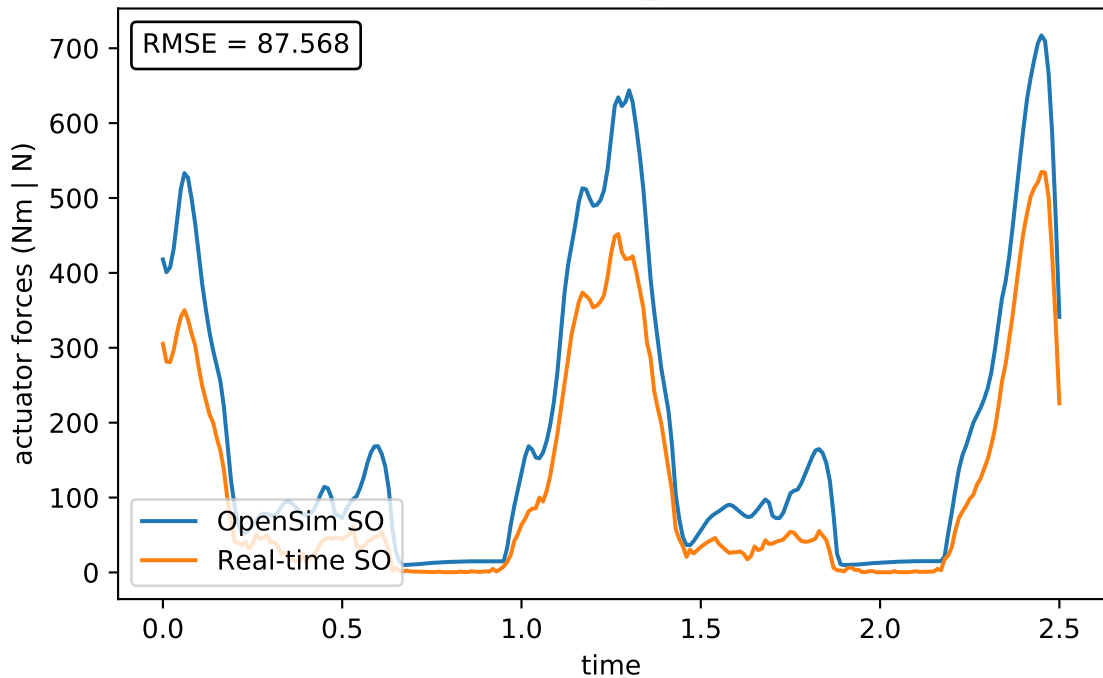
actuator forces (Nm | N)

OpenSim SO
Real-time SO

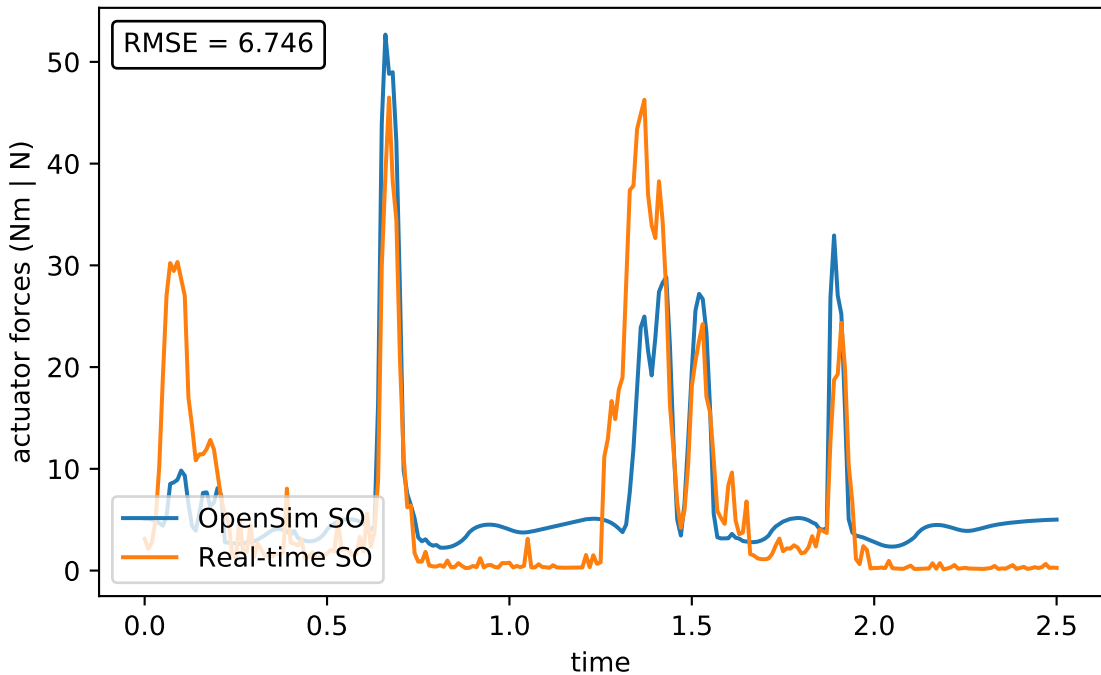
time



psoas_r



quad_fem_r



gem_r

RMSE = 5.299

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5

20

15

10

5

0

0.0

0.5

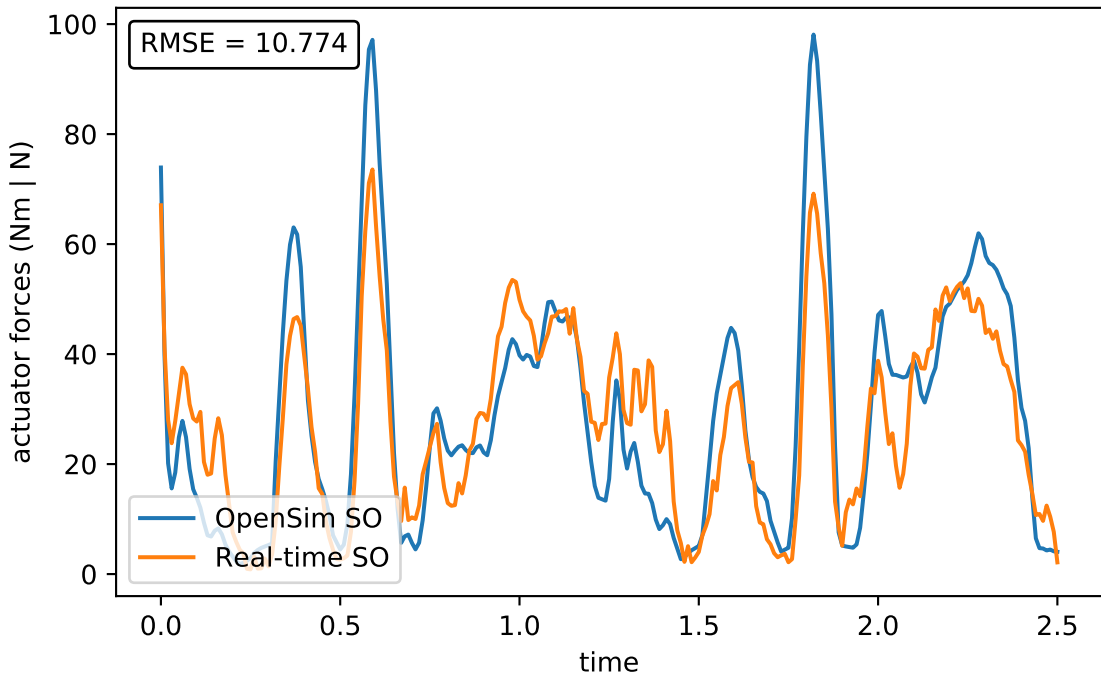
1.0

1.5

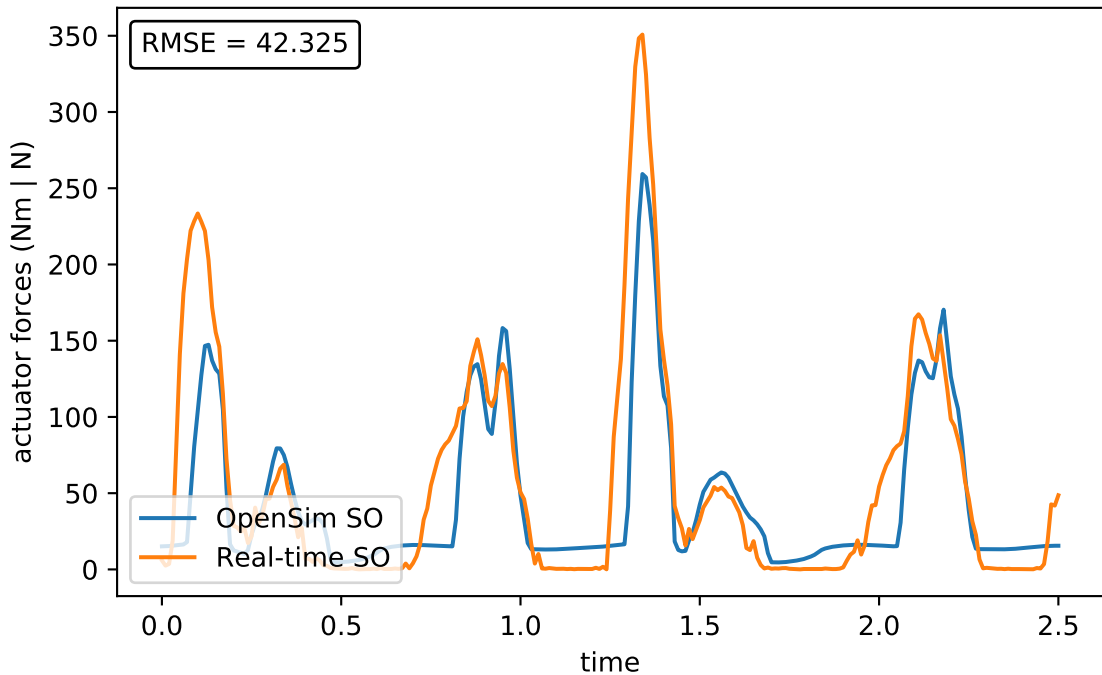
2.0

2.5

peri_r



rect_fem_r



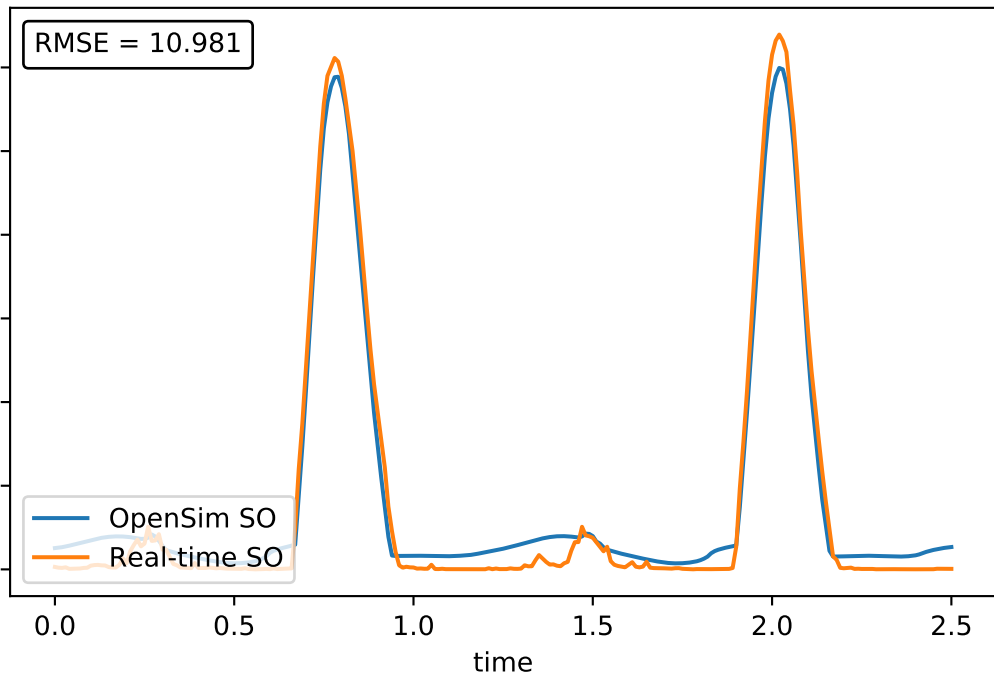
vas_med_r

RMSE = 10.981

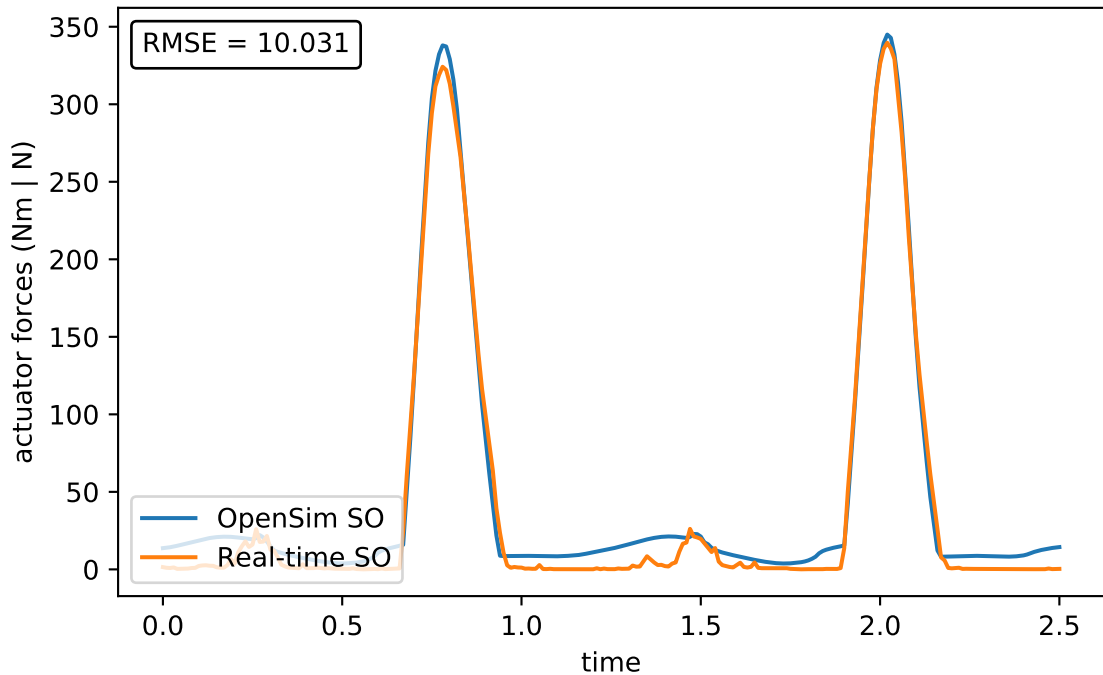
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



vas_int_r



vas_lat_r

RMSE = 56.954

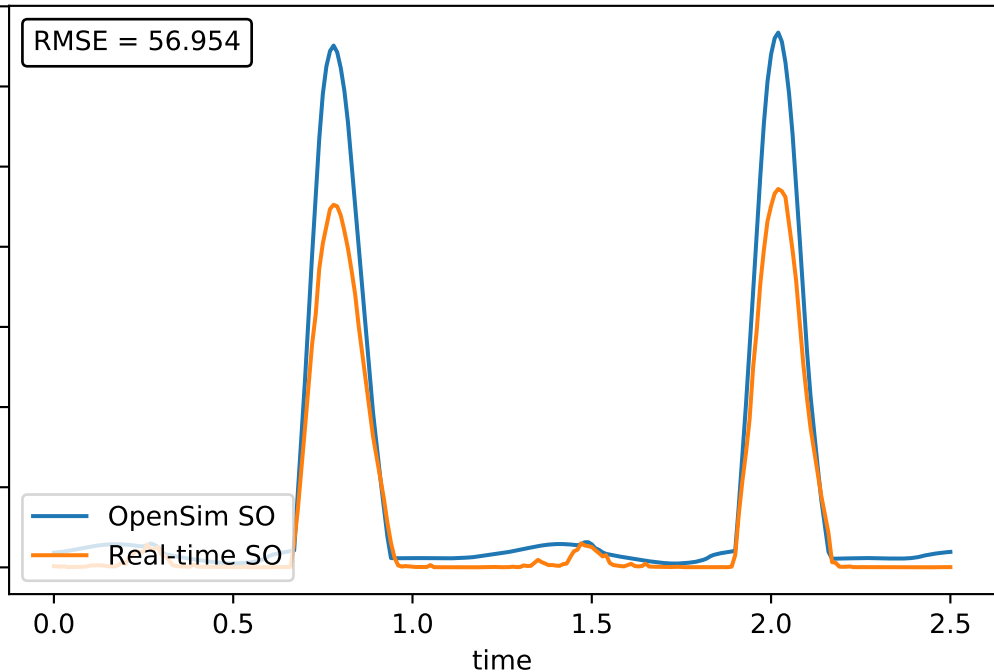
actuator forces (Nm | N)

OpenSim SO
Real-time SO

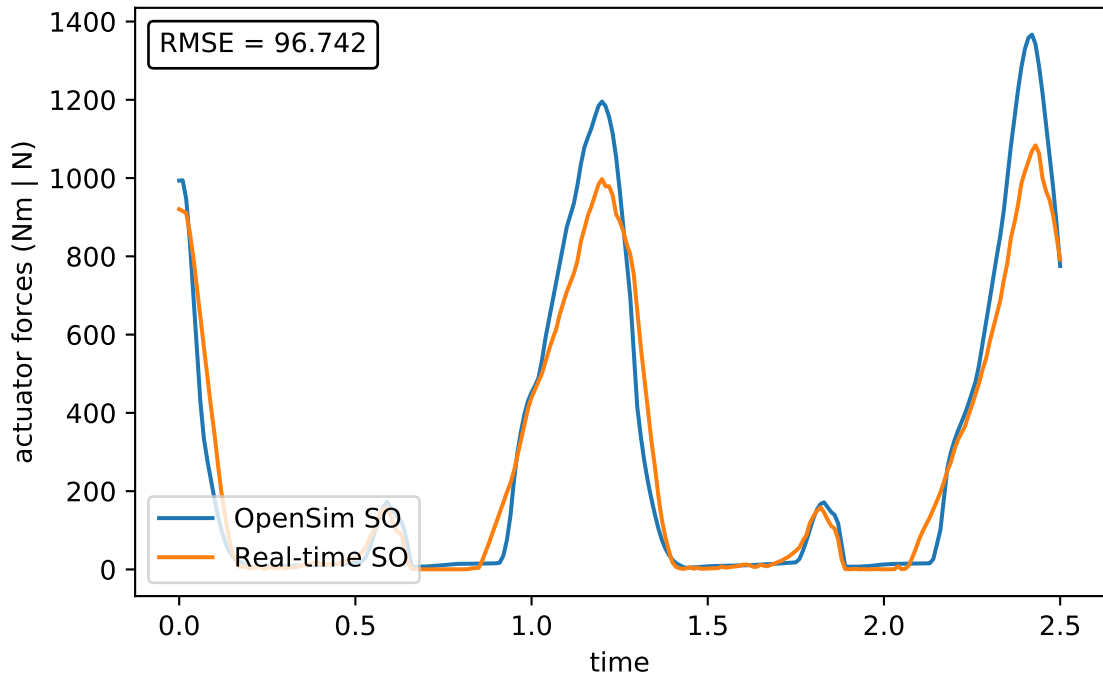
time

0.0 0.5 1.0 1.5 2.0 2.5

700
600
500
400
300
200
100
0



med_gas_r



lat_gas_r

RMSE = 87.224

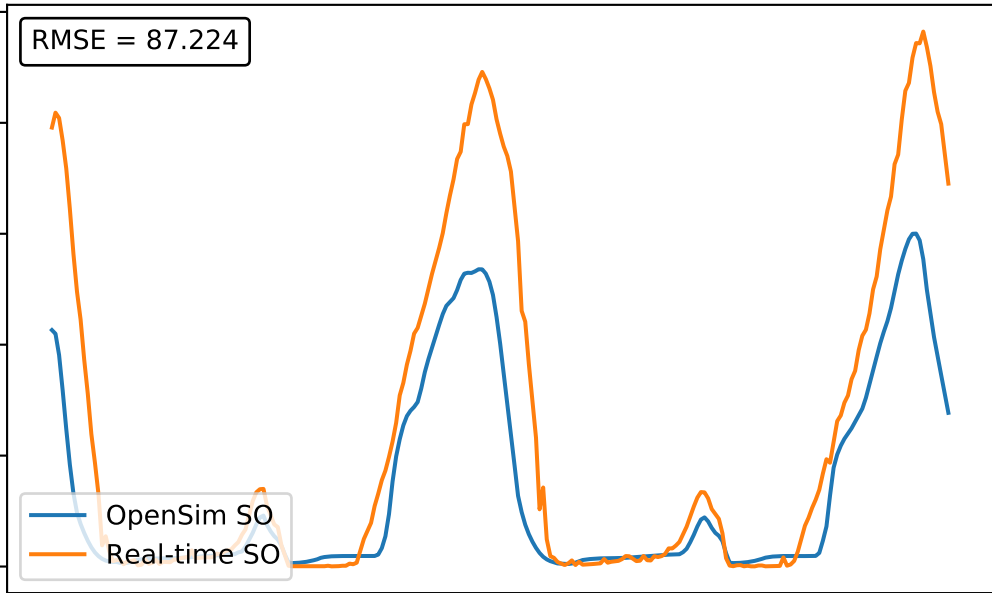
actuator forces (Nm | N)

OpenSim SO
Real-time SO

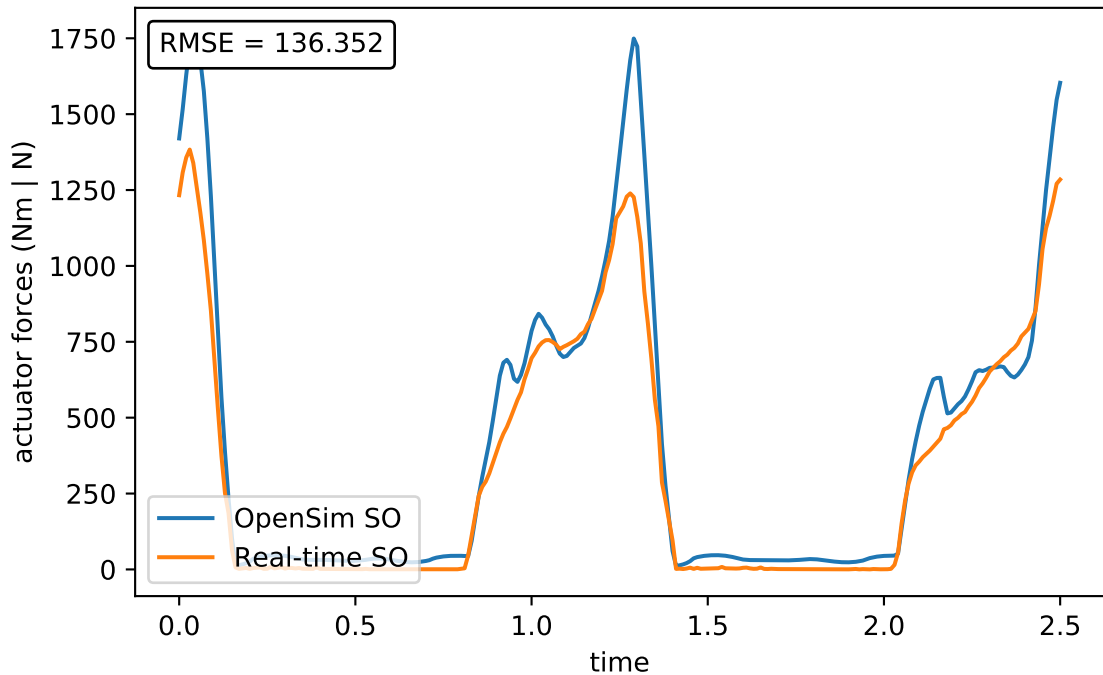
time

0.0 0.5 1.0 1.5 2.0 2.5

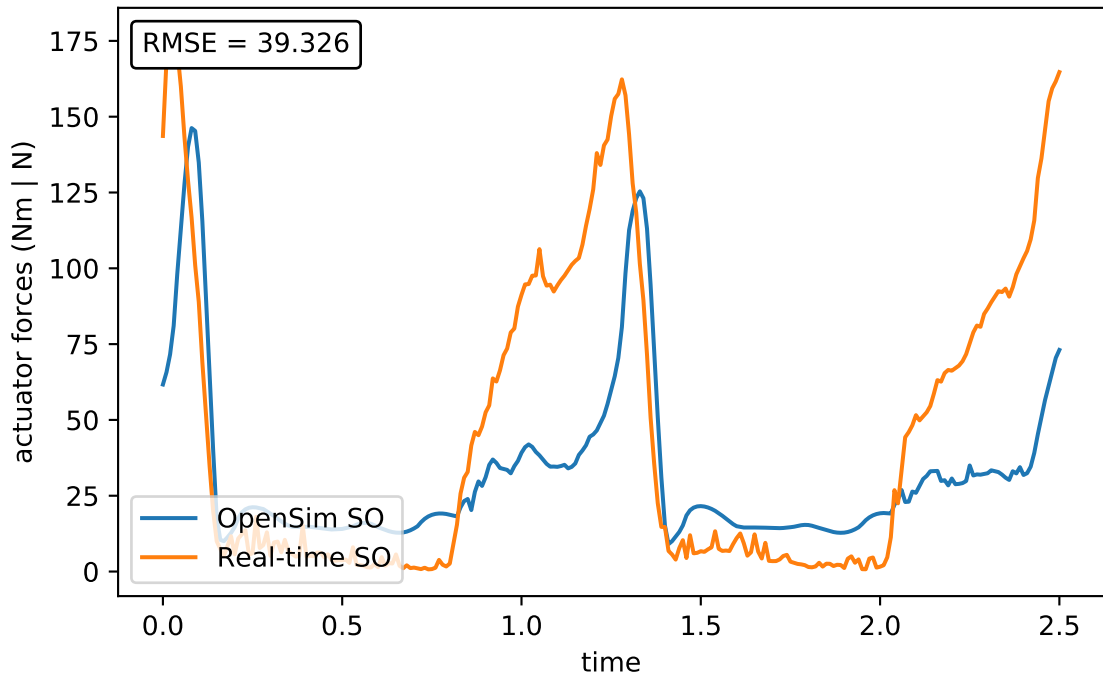
500
400
300
200
100
0



soleus_r



tib_post_r



flex_dig_r

RMSE = 10.588

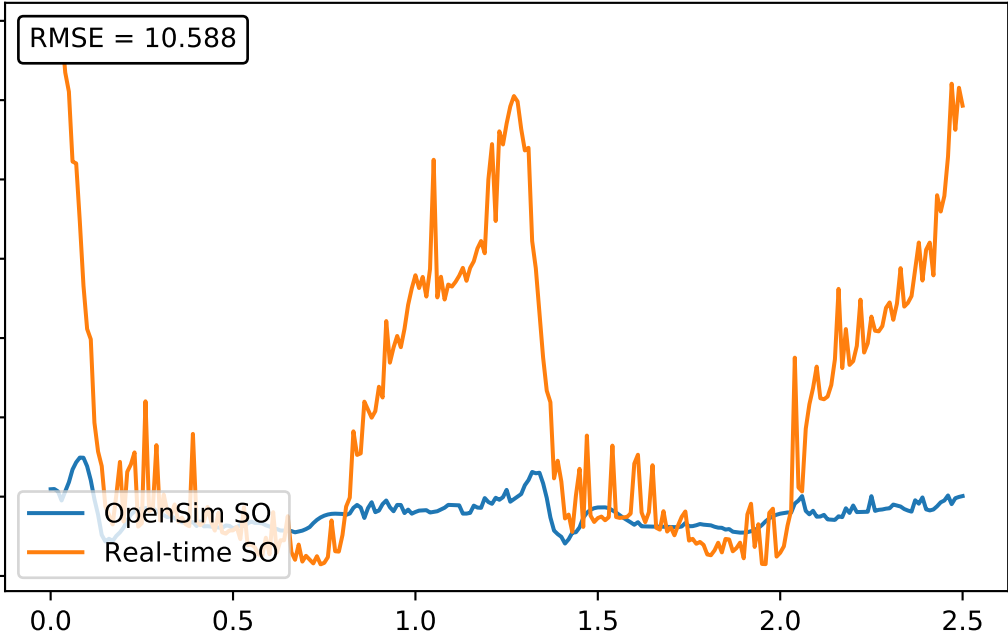
actuator forces (Nm | N)

OpenSim SO
Real-time SO

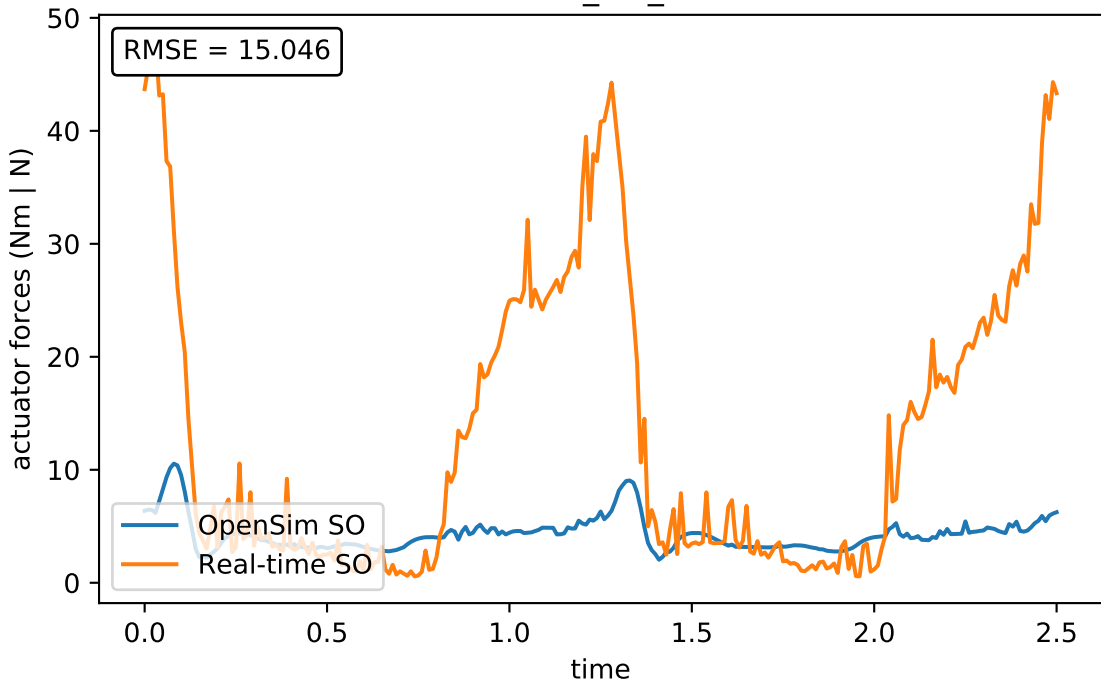
time

0.0 0.5 1.0 1.5 2.0 2.5

35
30
25
20
15
10
5
0



flex_hal_r



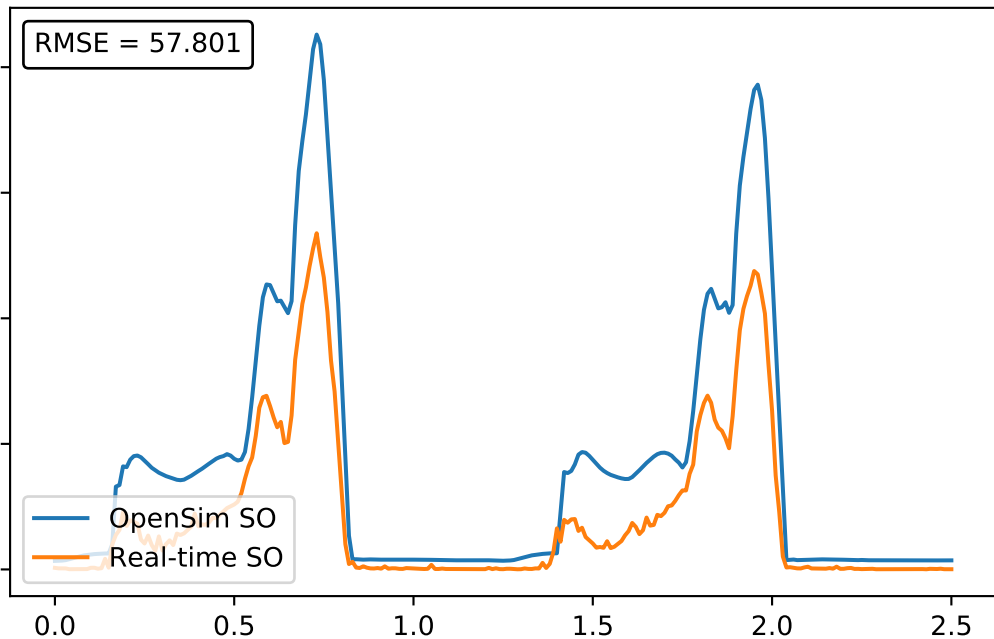
tib_ant_r

RMSE = 57.801

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



per_brev_r

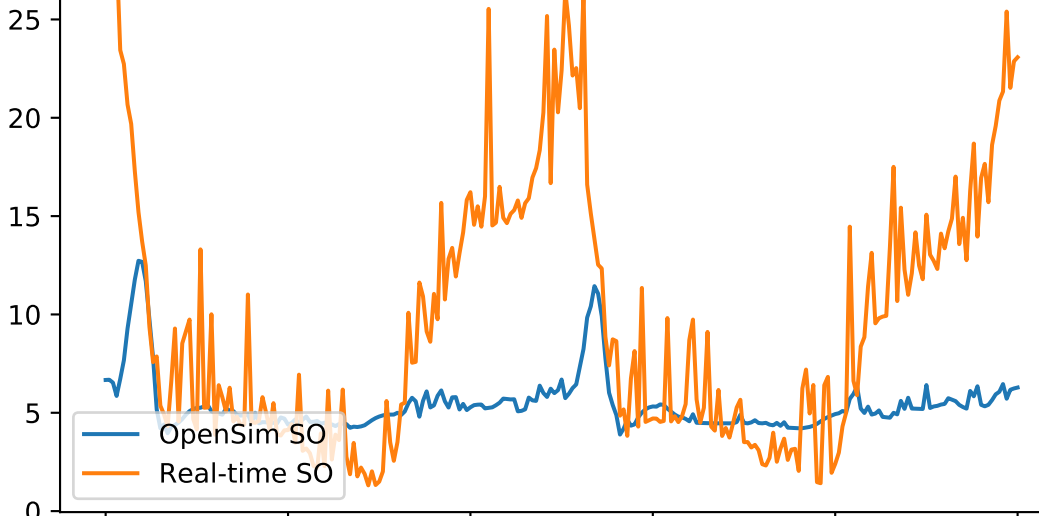
RMSE = 7.494

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5



per_long_r

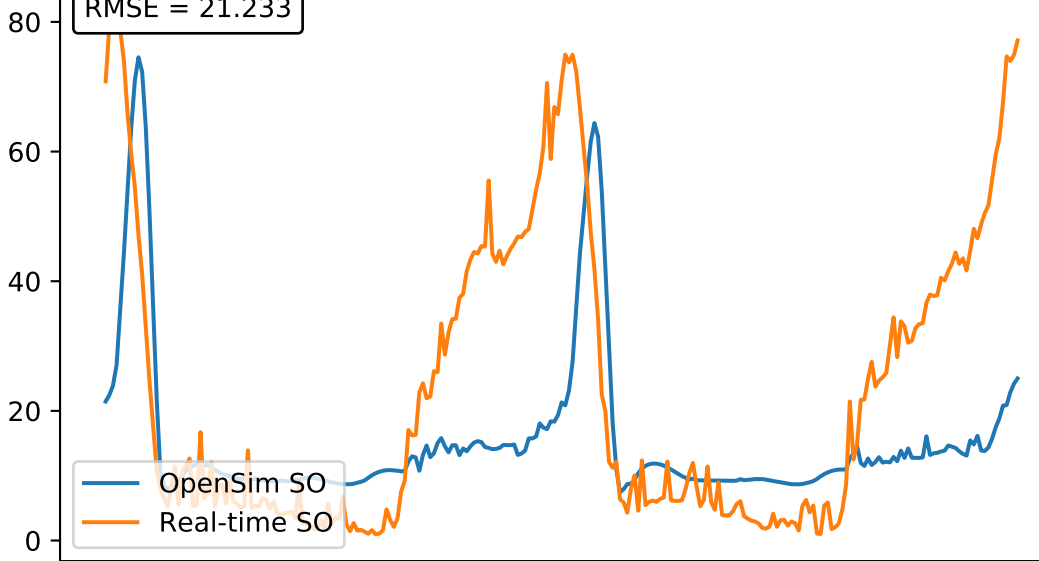
RMSE = 21.233

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5



per_tert_r

RMSE = 7.33

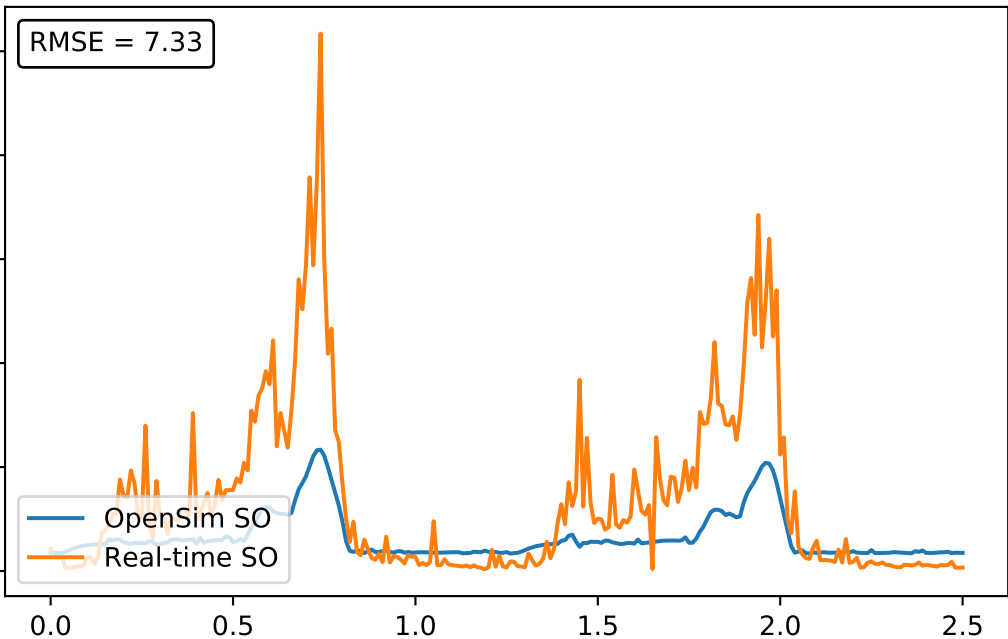
actuator forces (Nm | N)

— OpenSim SO
— Real-time SO

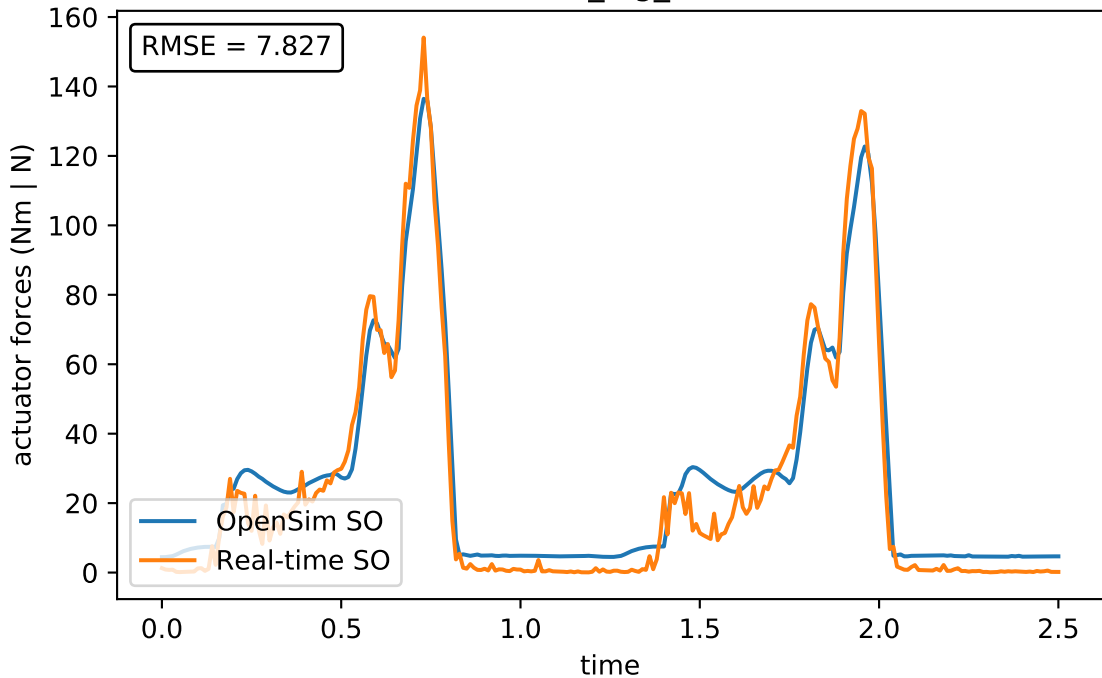
time

0.0 0.5 1.0 1.5 2.0 2.5

50
40
30
20
10
0



ext_dig_r



ext_hal_r

RMSE = 10.956

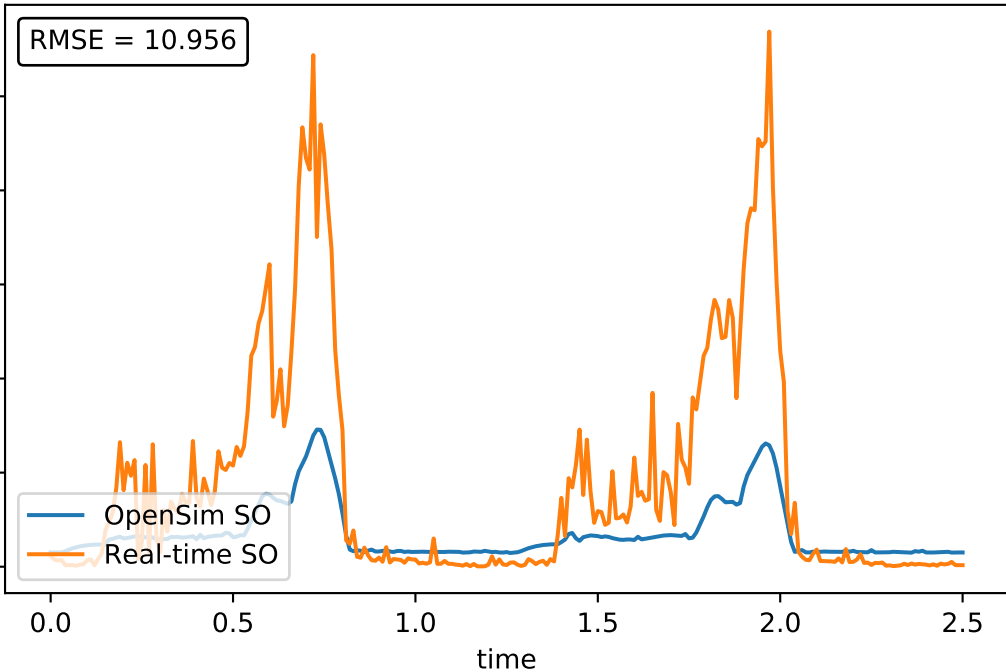
actuator forces (Nm | N)

— OpenSim SO
— Real-time SO

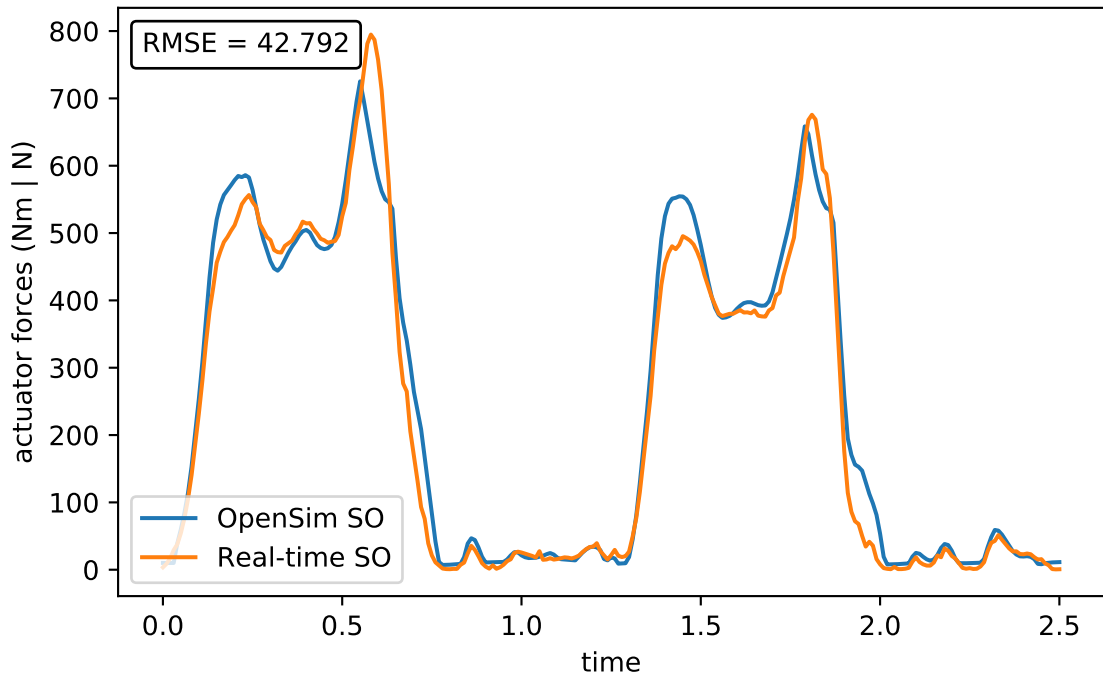
time

0.0 0.5 1.0 1.5 2.0 2.5

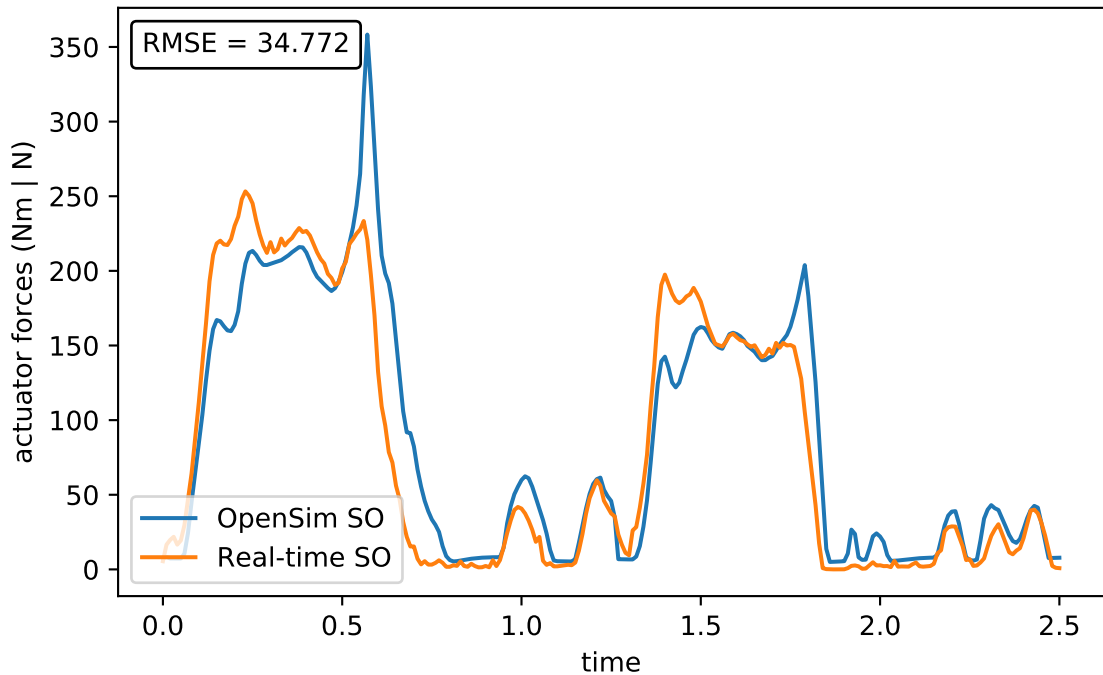
50
40
30
20
10
0



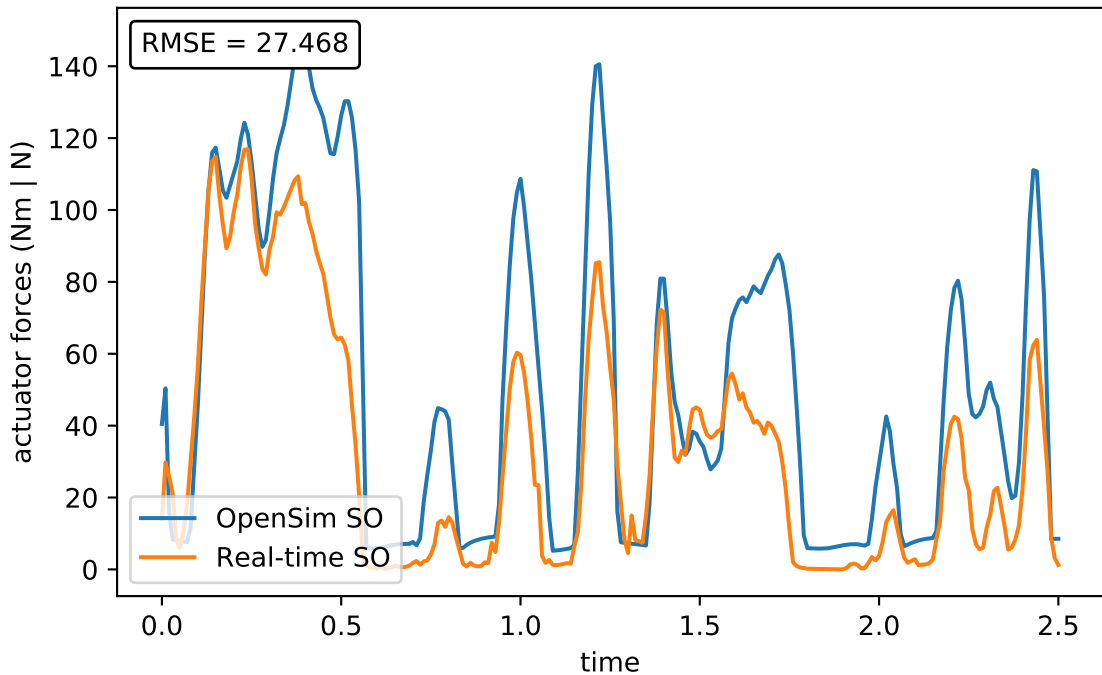
glut_med1_l



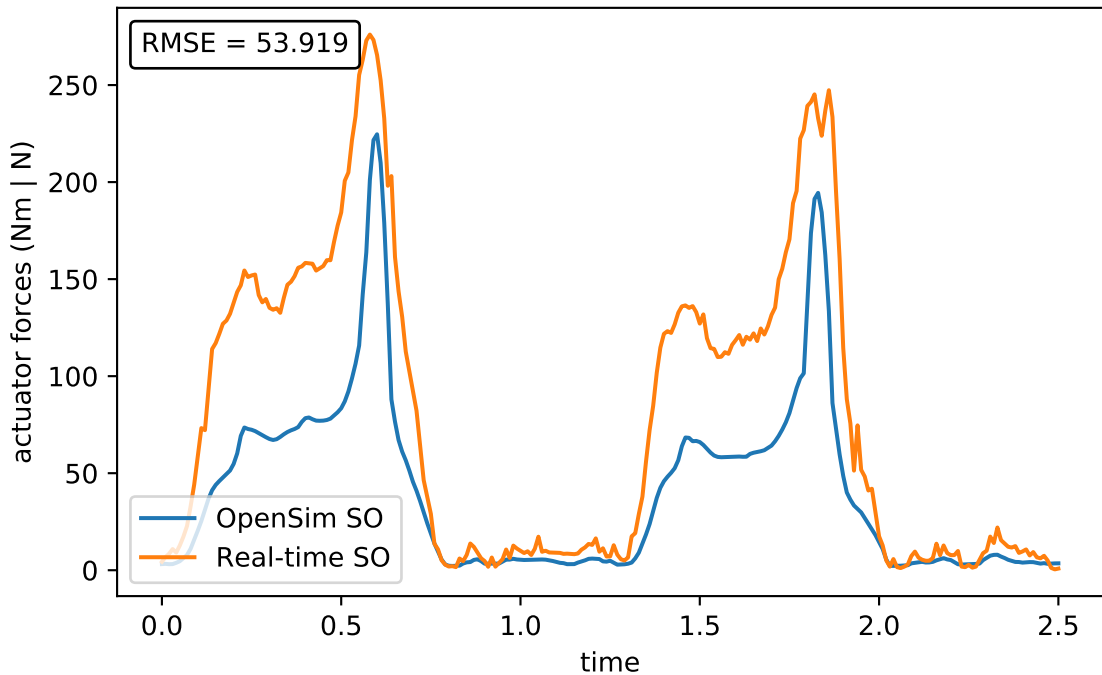
glut_med2_l



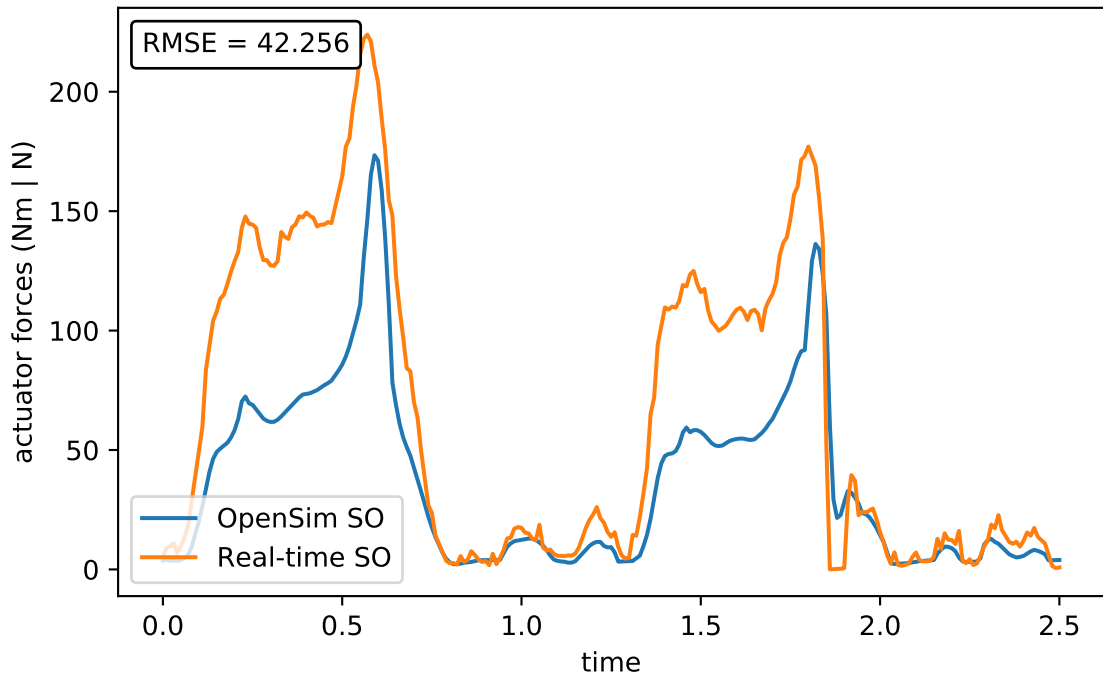
glut_med3_l



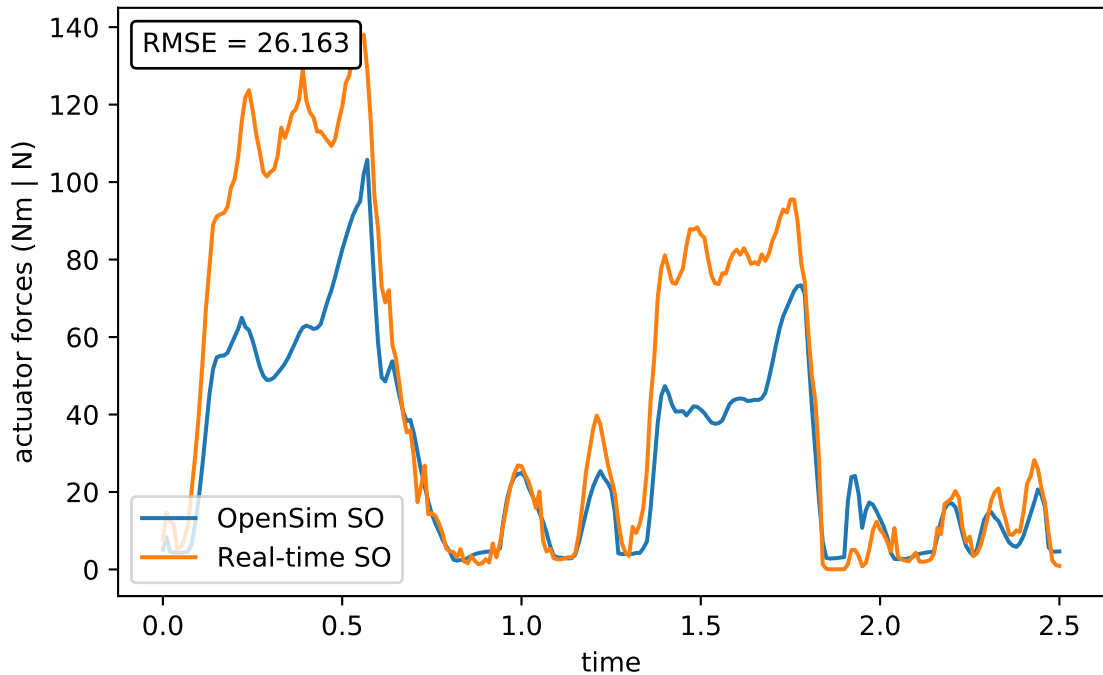
glut_min1_l



glut_min2_l



glut_min3_l



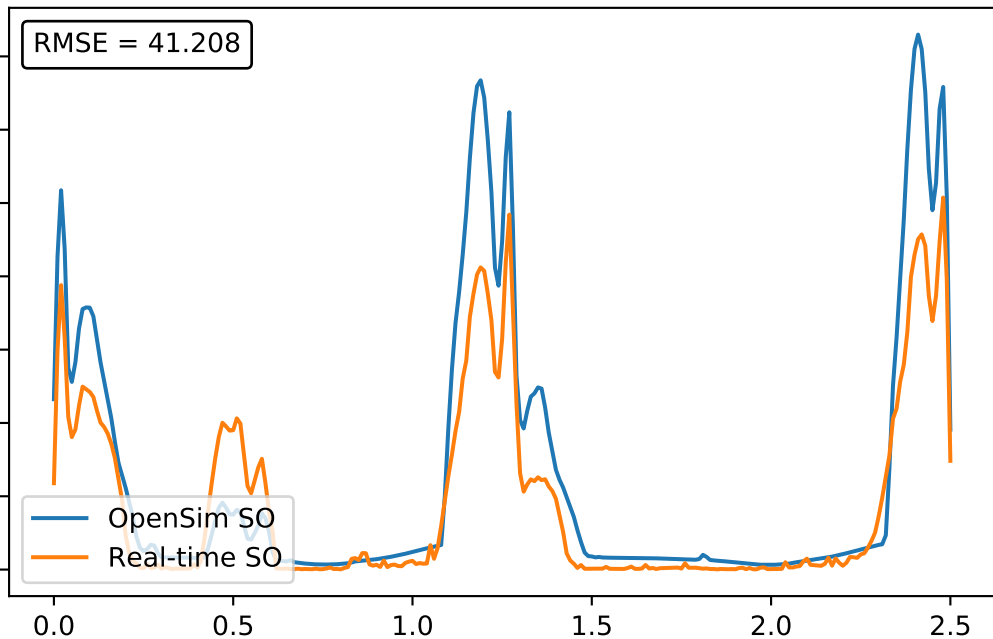
semimem_l

RMSE = 41.208

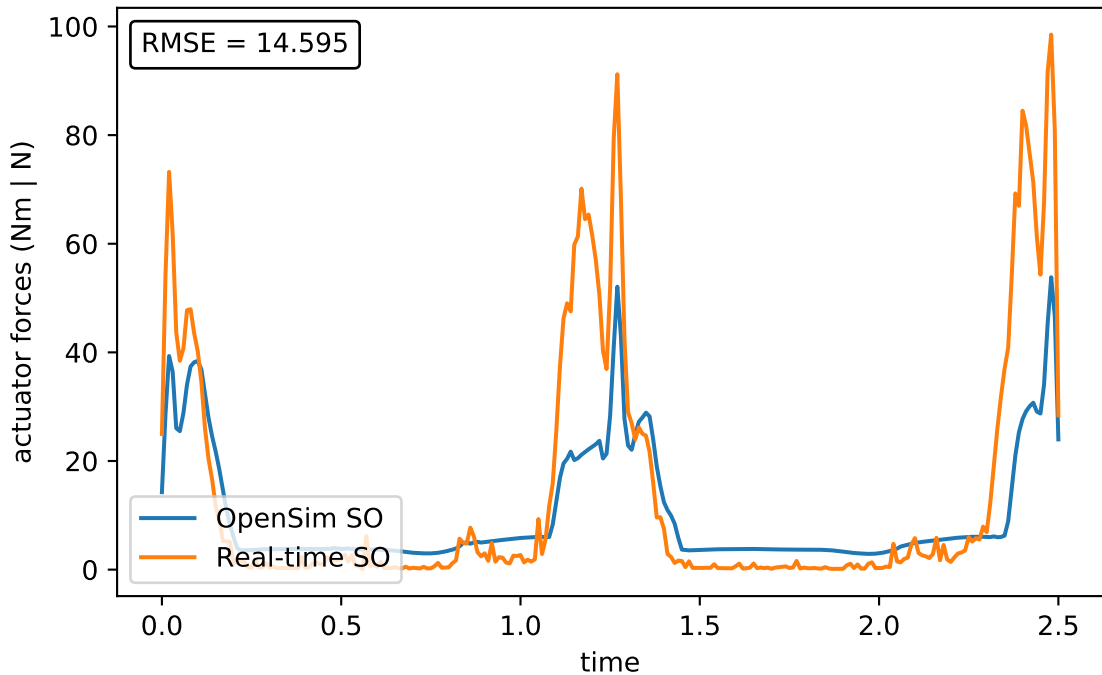
actuator forces (Nm | N)

OpenSim SO
Real-time SO

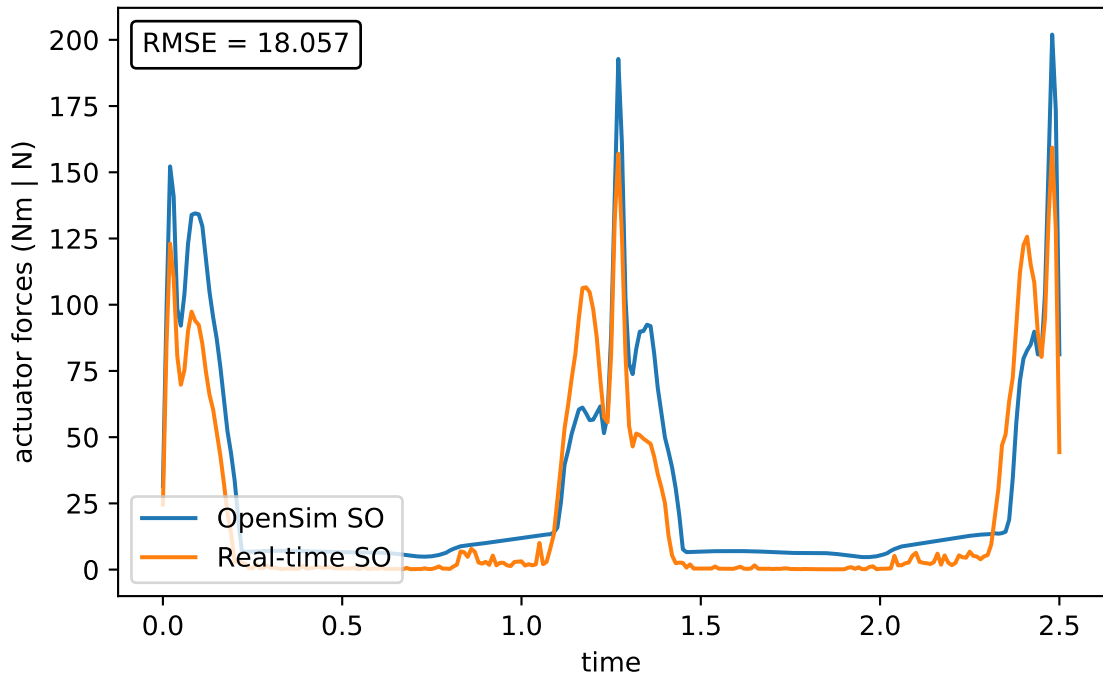
time



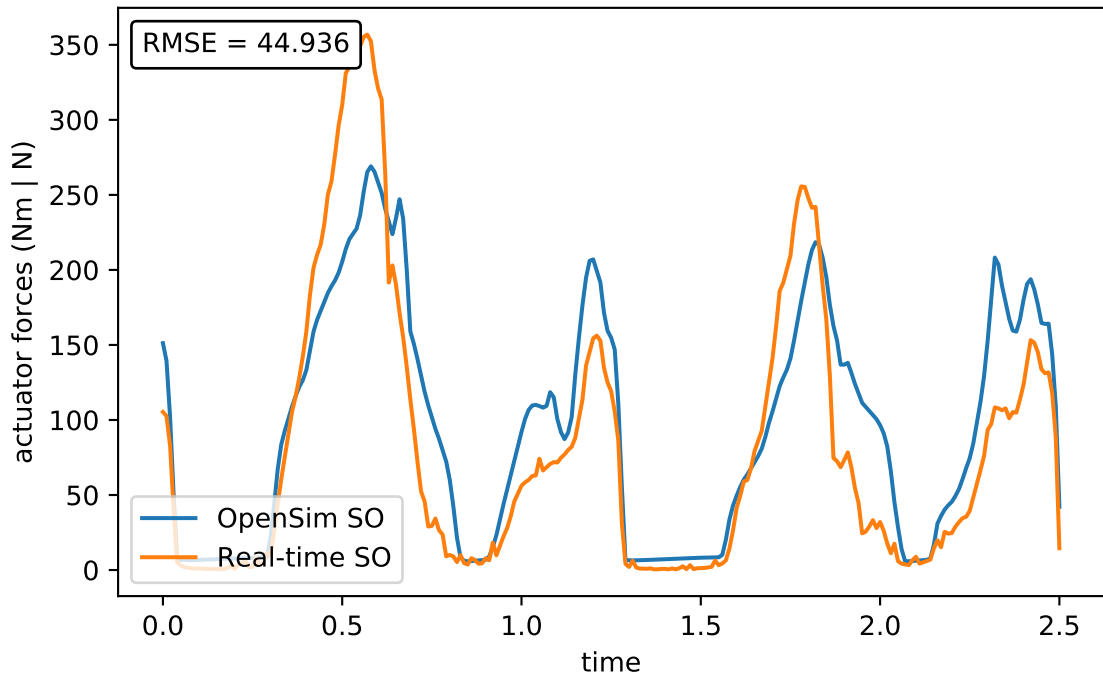
semiten_l



bifemlh_l



bifemsh_l



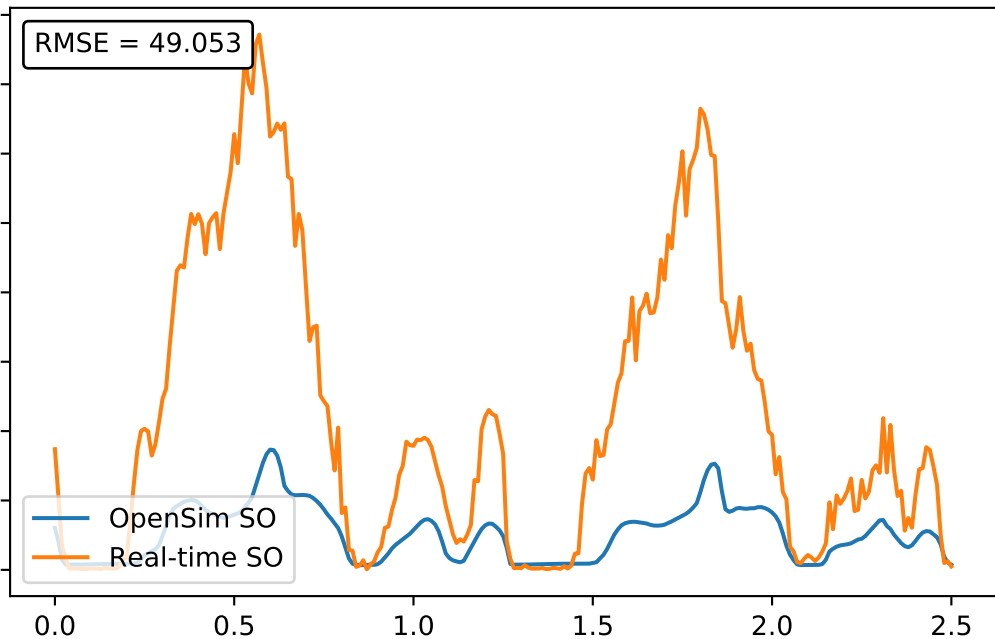
sar_l

RMSE = 49.053

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



add_long_l

RMSE = 8.697

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

100

80

60

40

20

0

0.0

0.5

1.0

1.5

2.0

2.5

add_brev_l

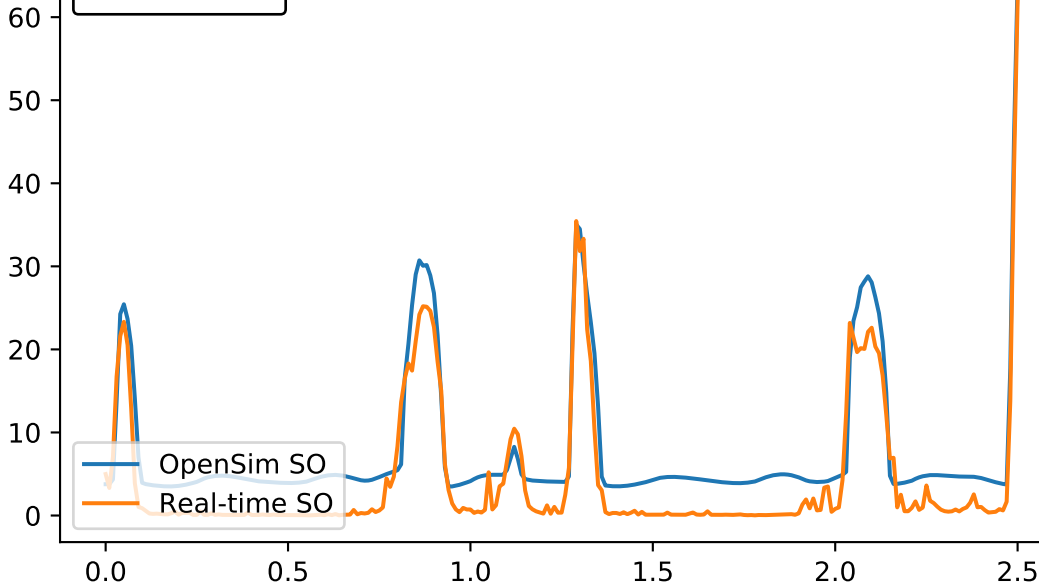
RMSE = 4.011

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5



add_mag1_l

RMSE = 3.505

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5

50

40

30

20

10

0

0.0

0.5

1.0

1.5

2.0

2.5

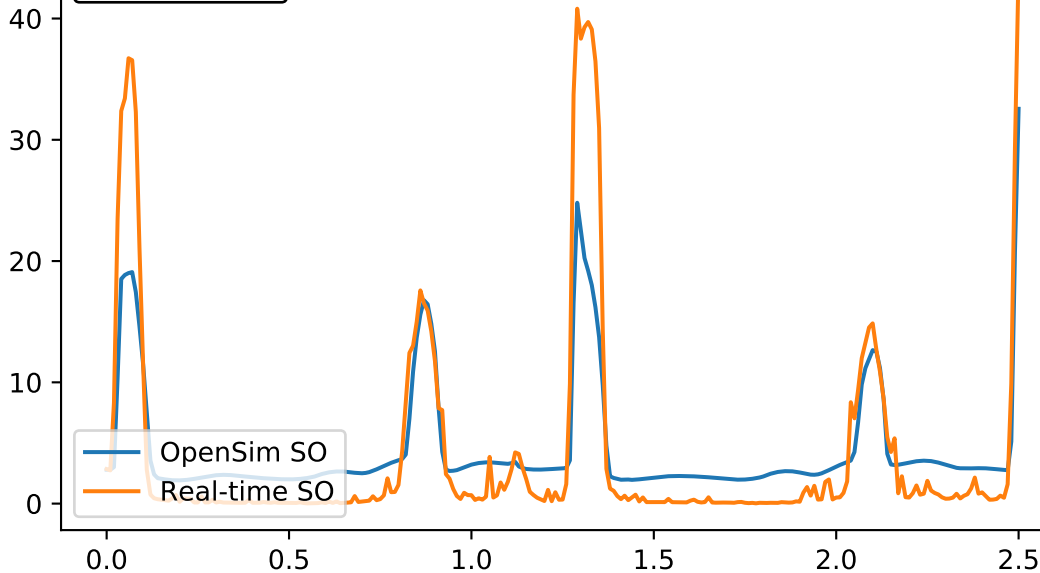
add_mag2_l

RMSE = 4.709

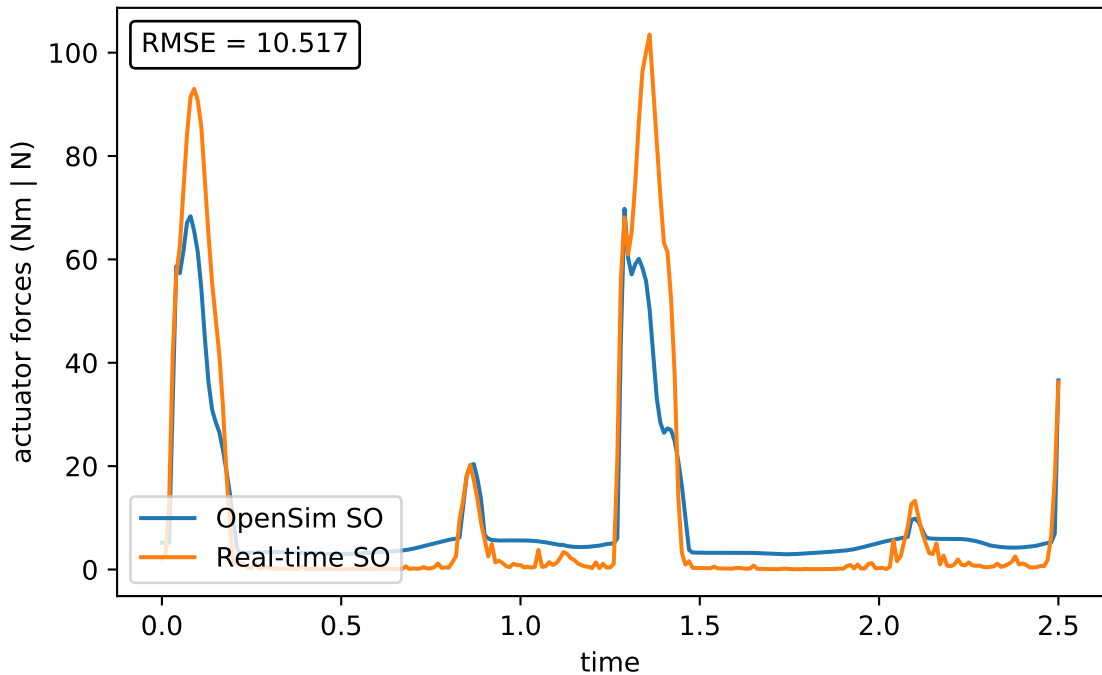
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



add_mag3_l



tfl_l

RMSE = 77.533

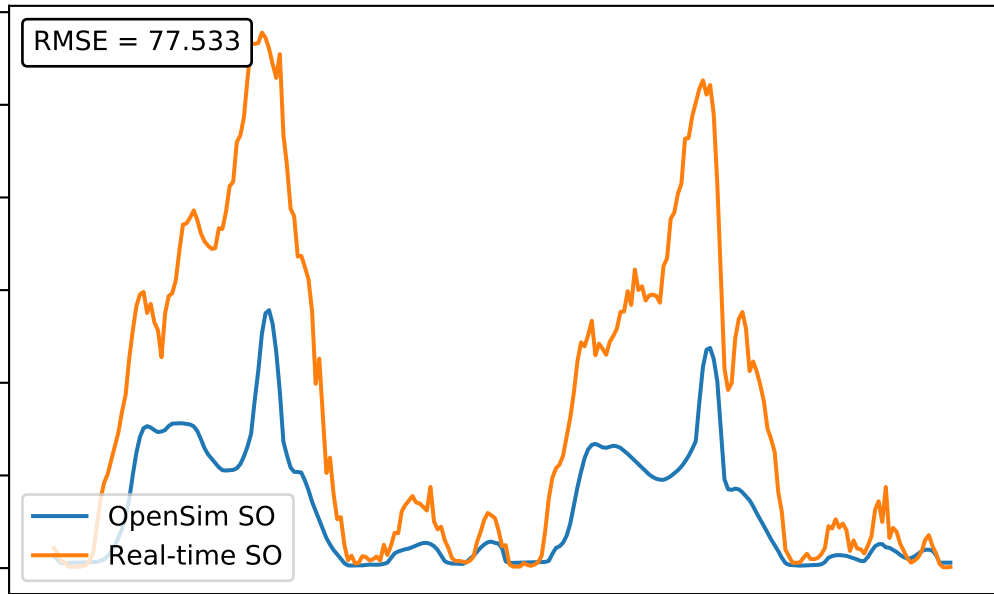
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5

300
250
200
150
100
50
0



pect_l

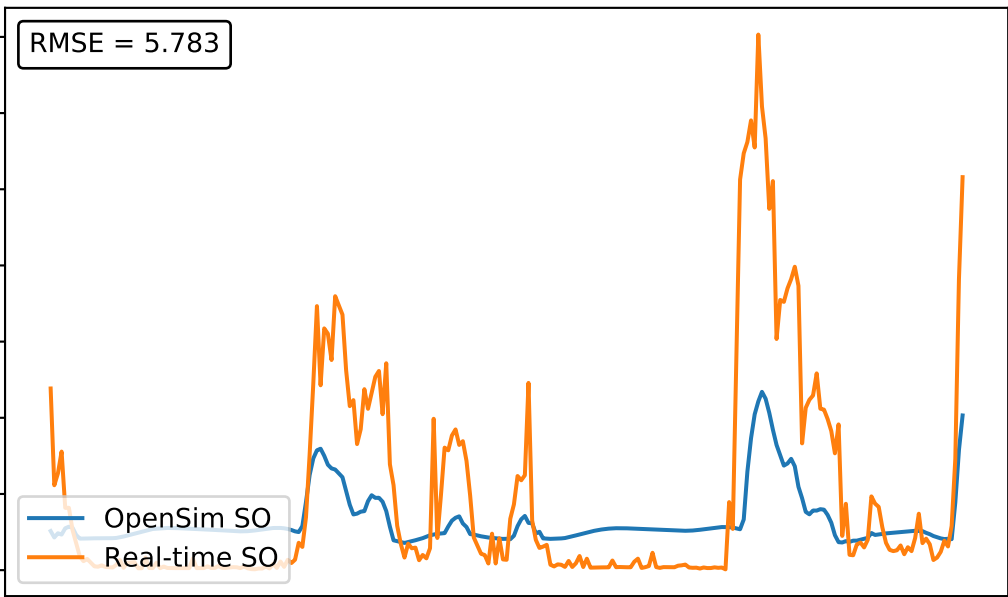
RMSE = 5.783

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5



grac_l

RMSE = 3.884

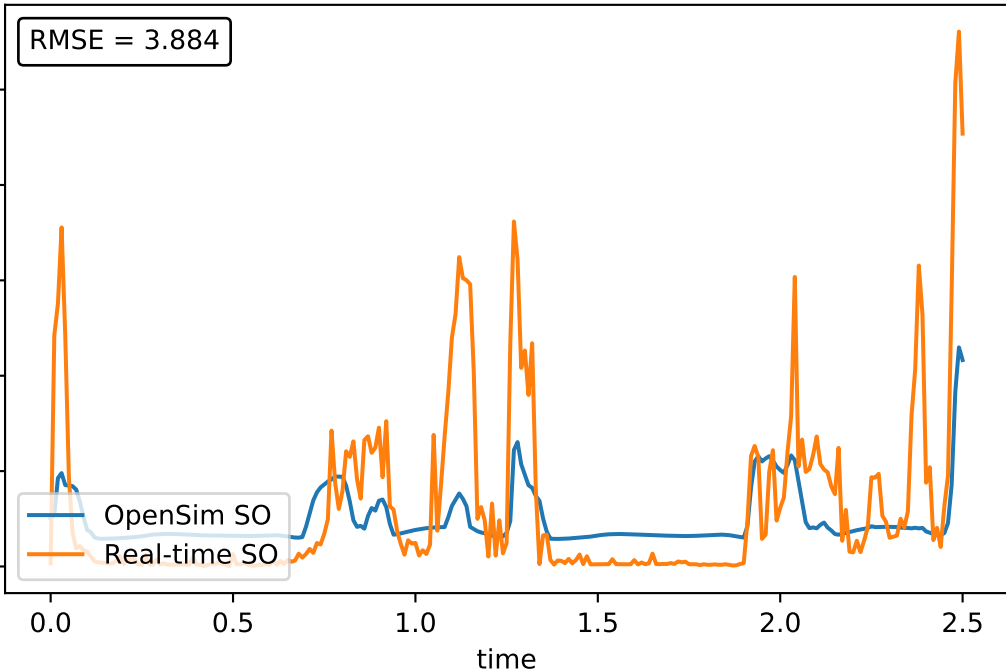
actuator forces (Nm | N)

OpenSim SO
Real-time SO

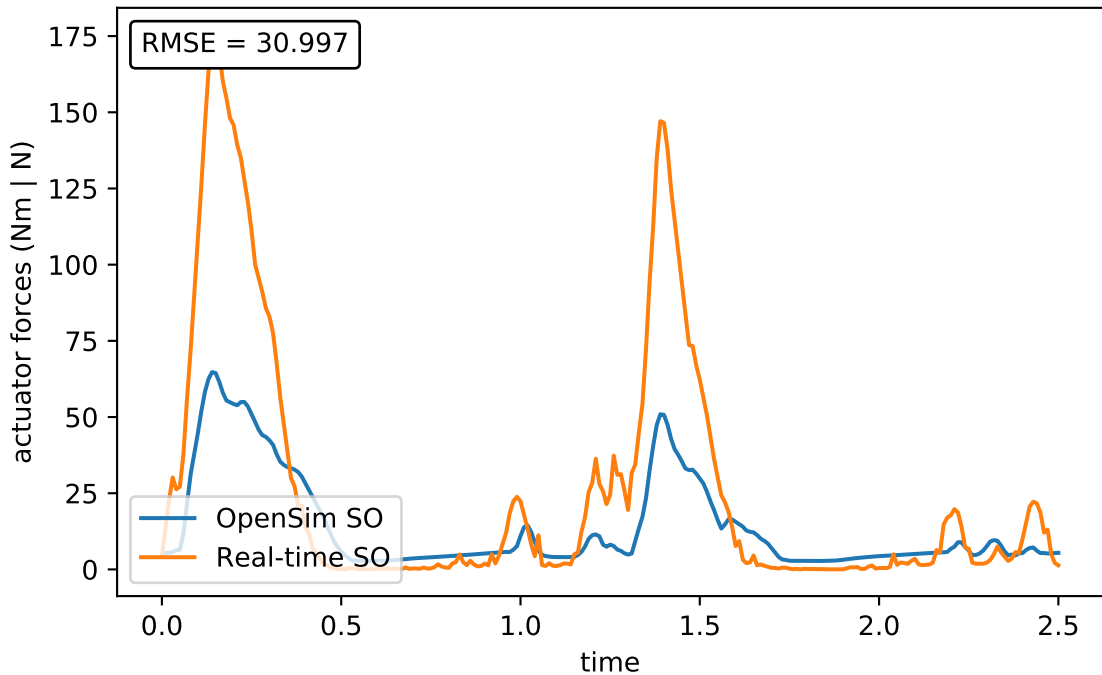
time

0.0 0.5 1.0 1.5 2.0 2.5

25
20
15
10
5
0



glut_max1_l



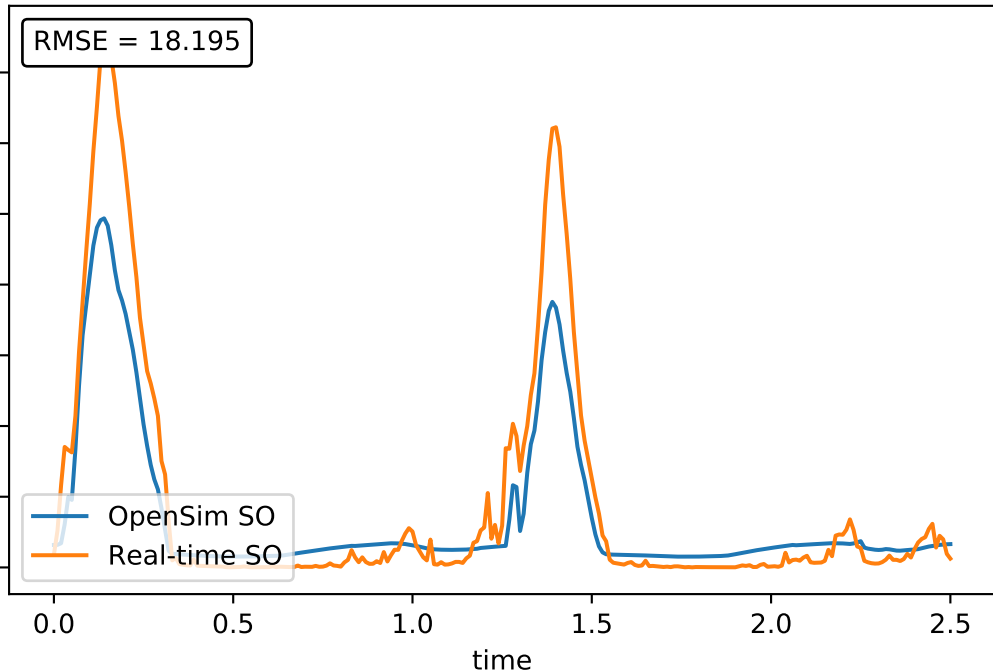
glut_max2_l

RMSE = 18.195

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



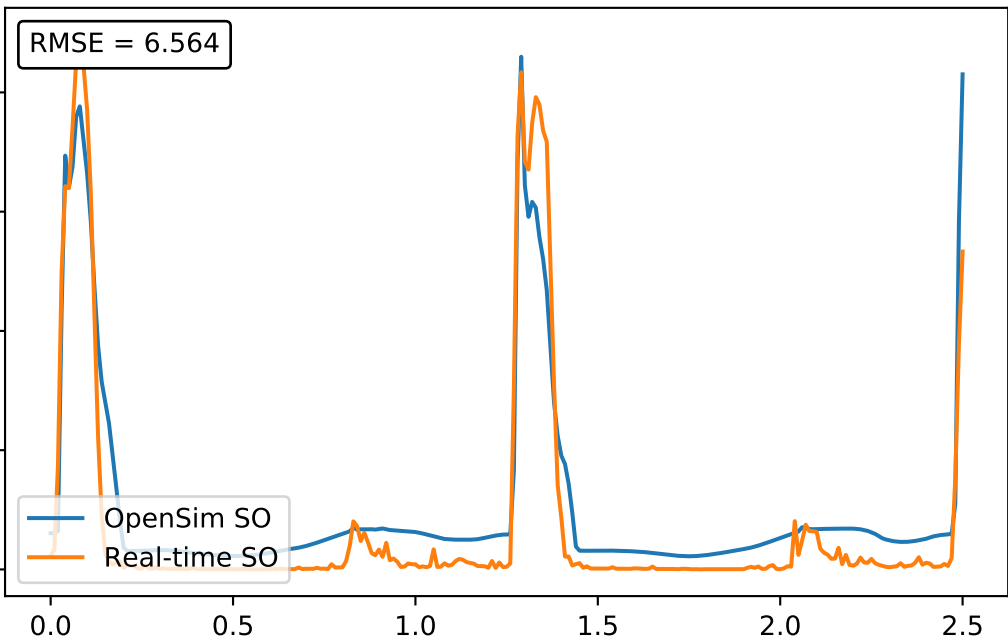
glut_max3_l

RMSE = 6.564

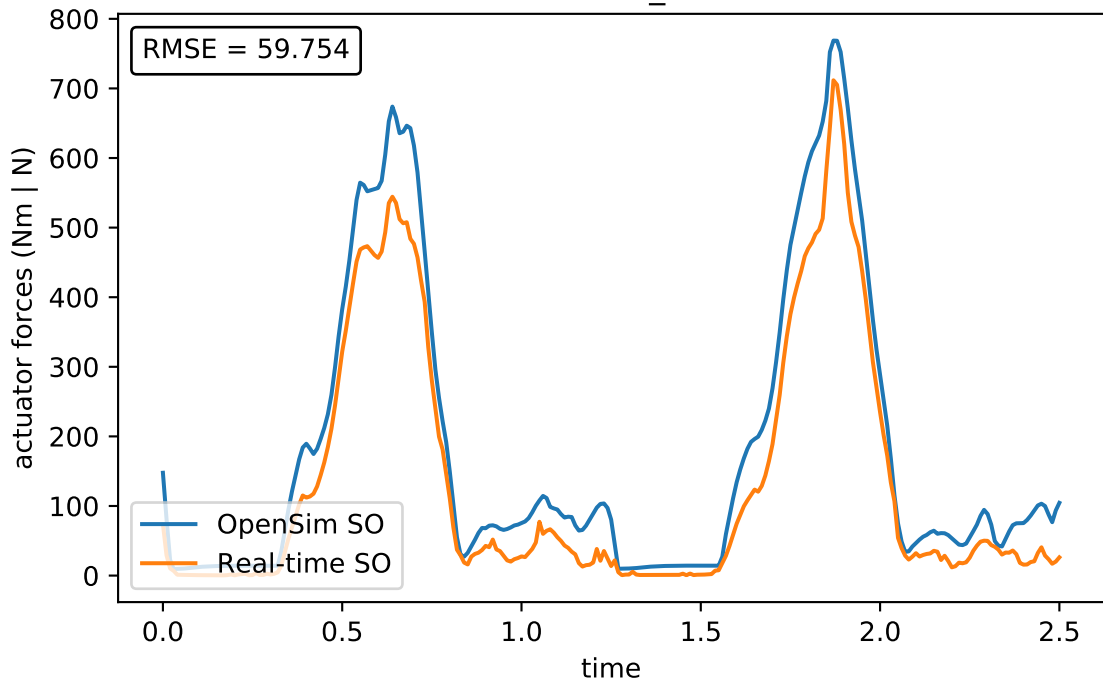
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



iliacus_l



psoas_l

RMSE = 83.807

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5

800

700

600

500

400

300

200

100

0

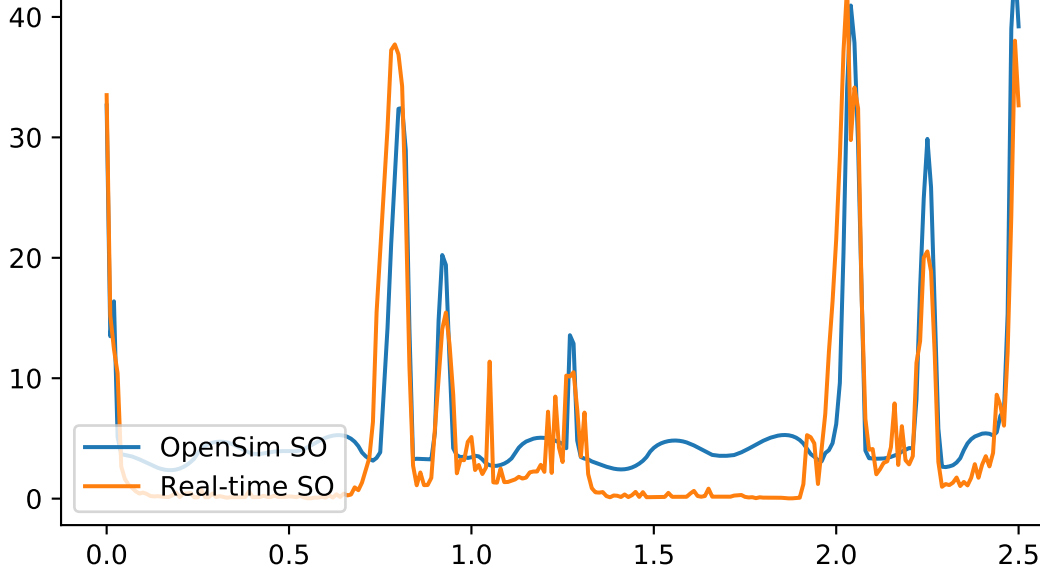
quad_fem_l

RMSE = 4.741

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



gem_l

RMSE = 4.708

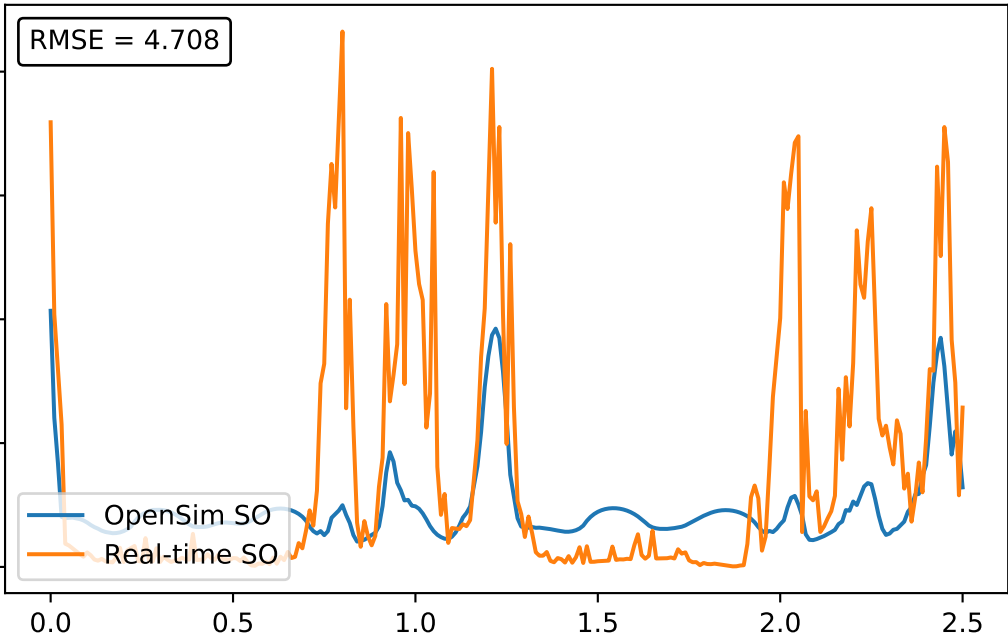
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5

20
15
10
5
0



peri_l

RMSE = 8.964

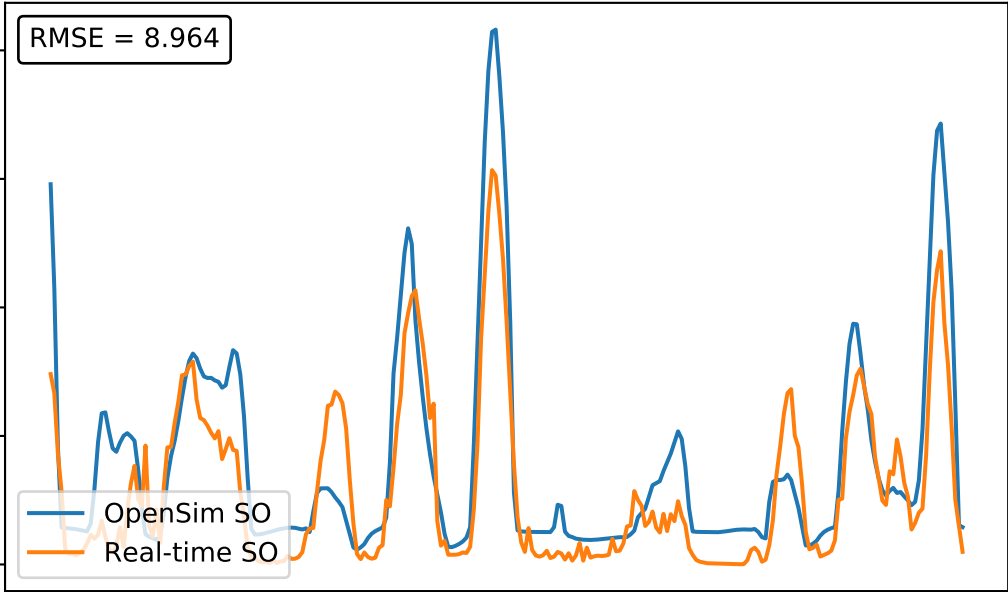
actuator forces (Nm | N)

OpenSim SO
Real-time SO

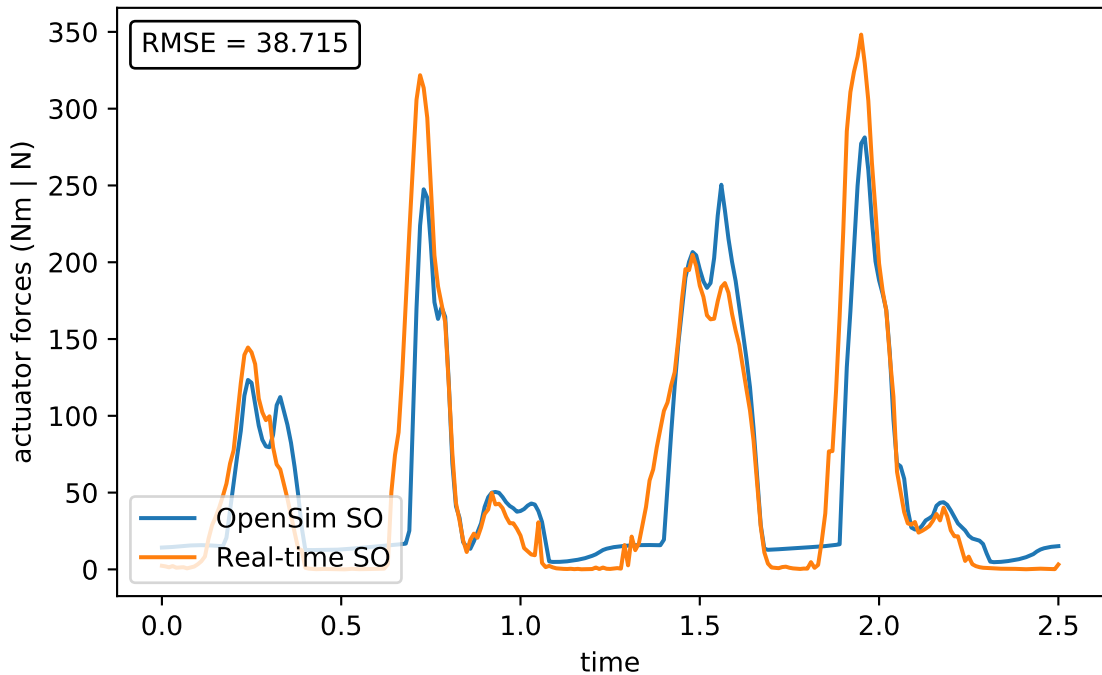
time

0.0 0.5 1.0 1.5 2.0 2.5

80
60
40
20
0



rect_fem_l



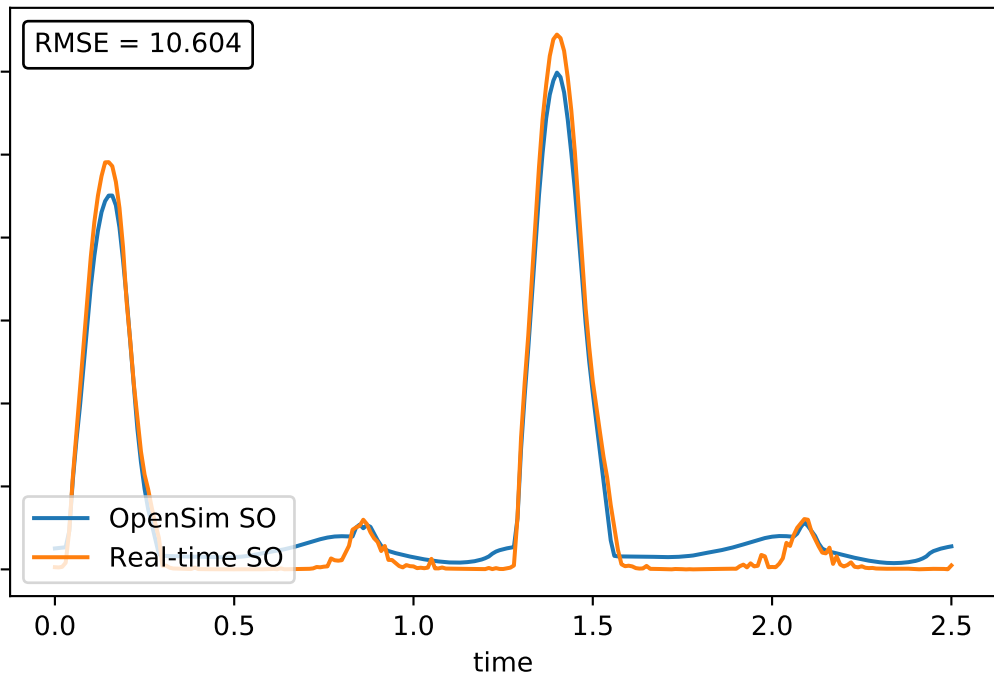
vas_med_l

RMSE = 10.604

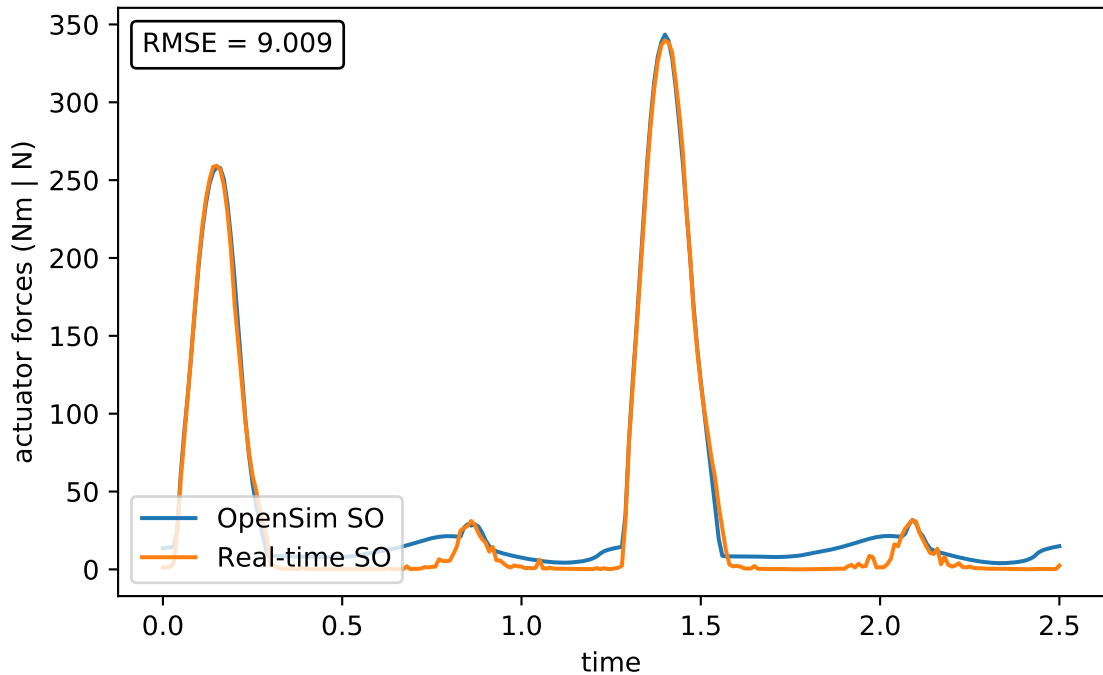
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



vas_int_l



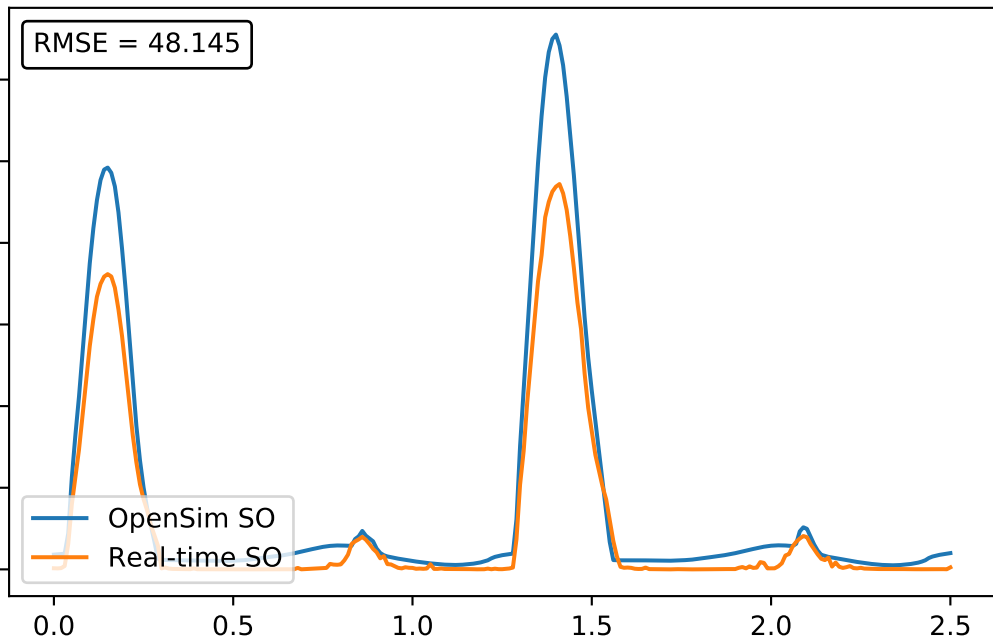
vas_lat_l

RMSE = 48.145

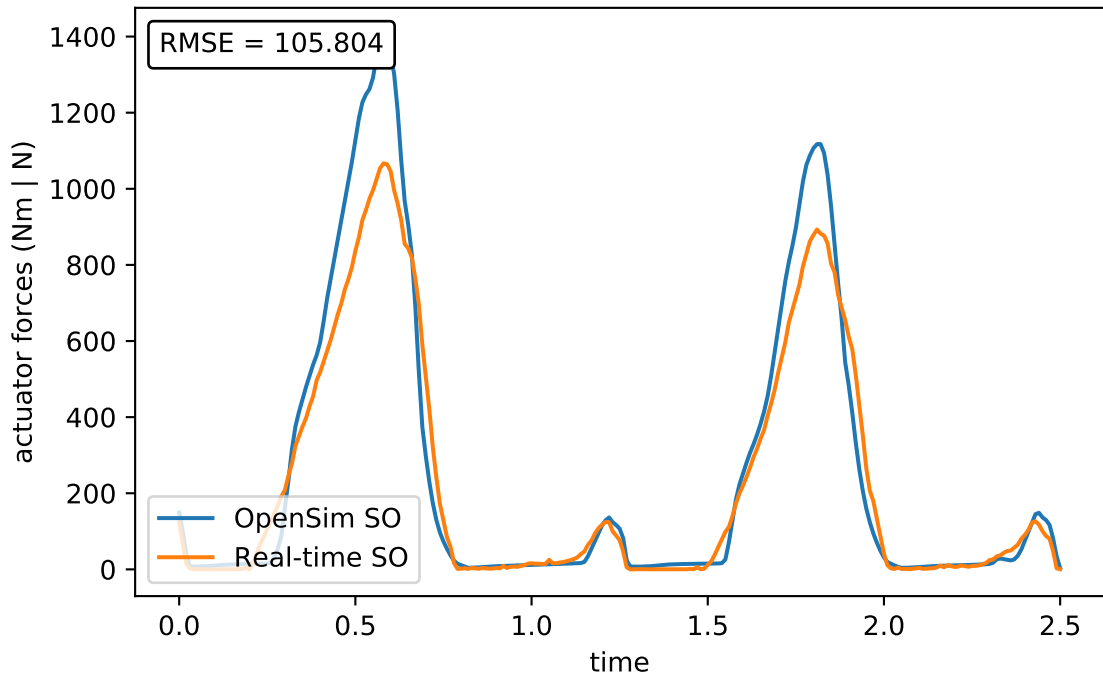
actuator forces (Nm | N)

— OpenSim SO
— Real-time SO

time



med_gas_l



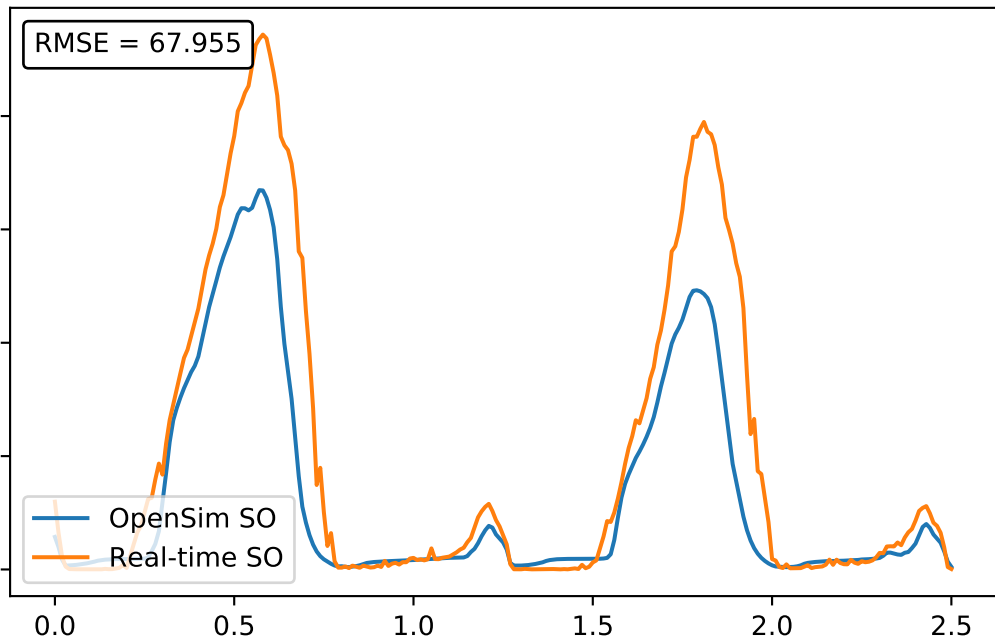
lat_gas_l

RMSE = 67.955

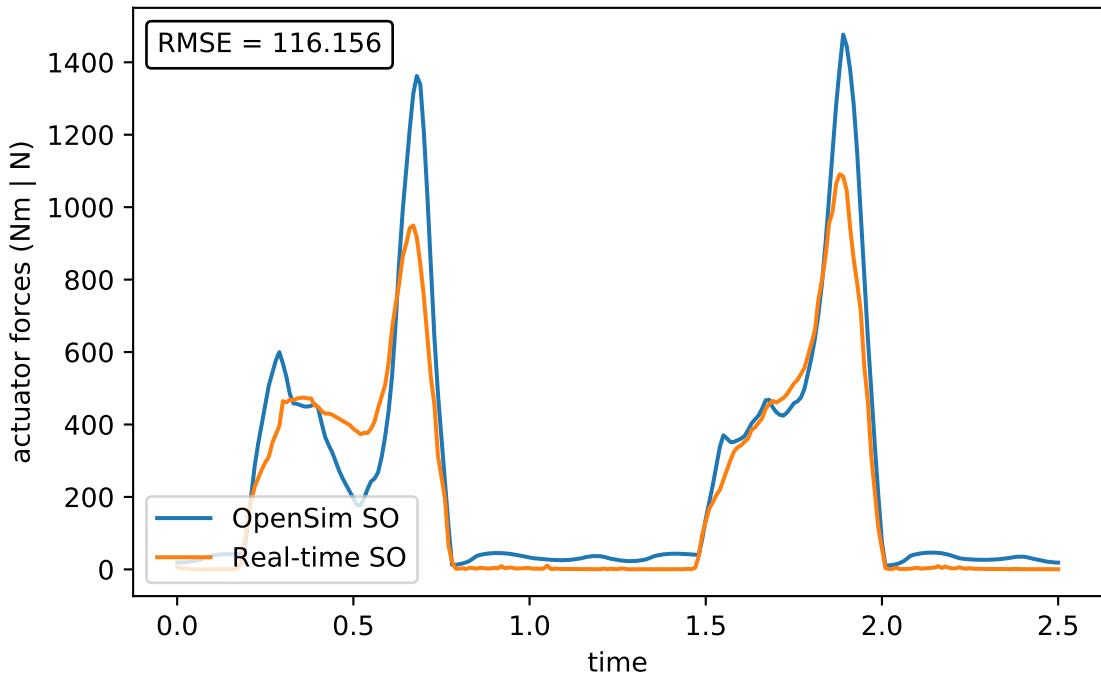
actuator forces (Nm | N)

— OpenSim SO
— Real-time SO

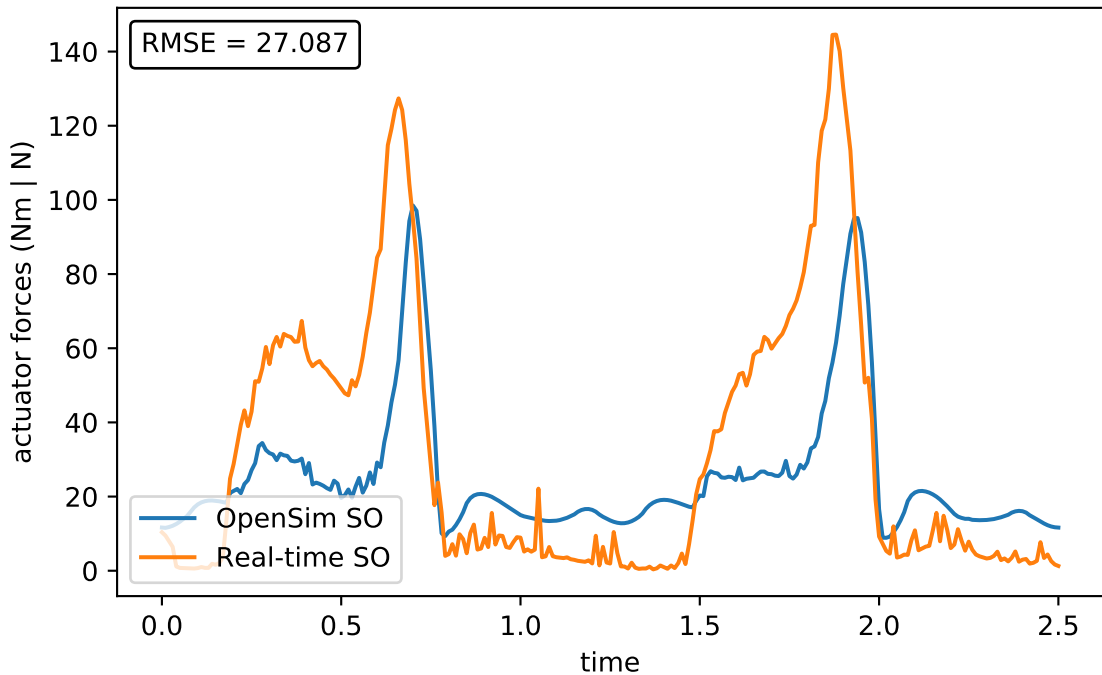
time



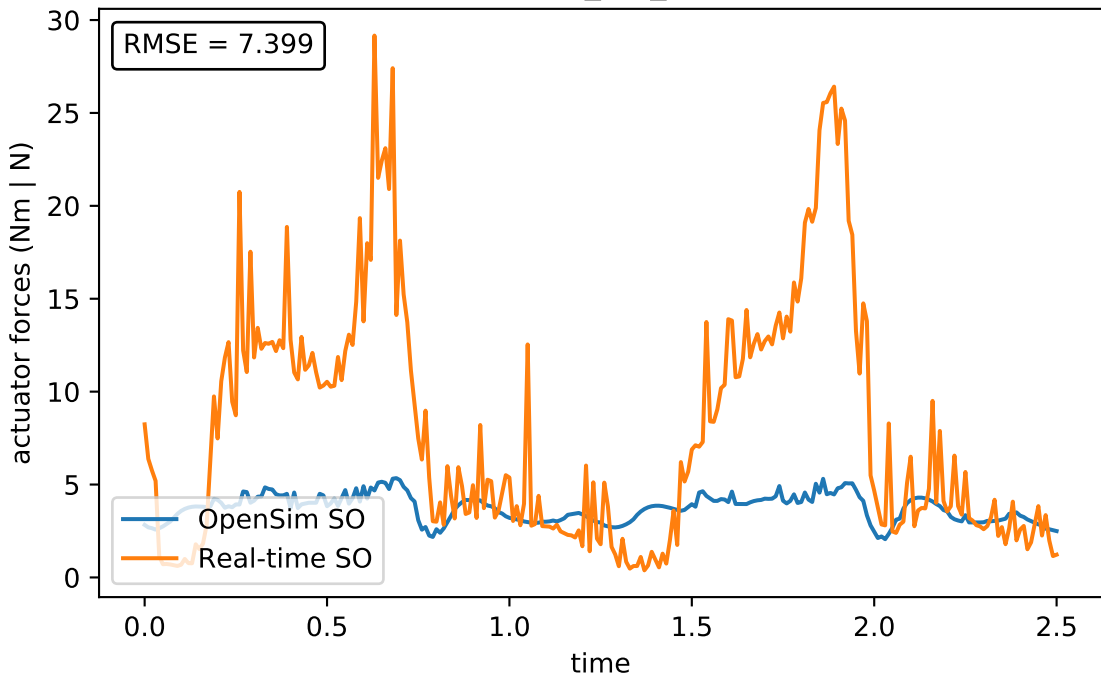
soleus_l



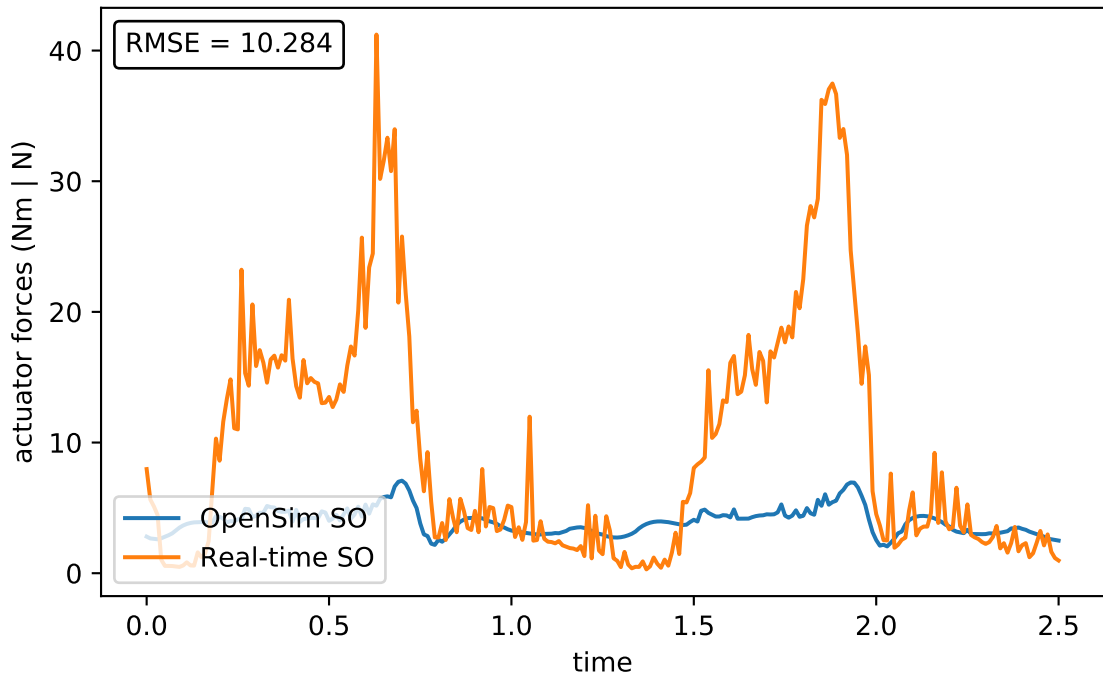
tib_post_l



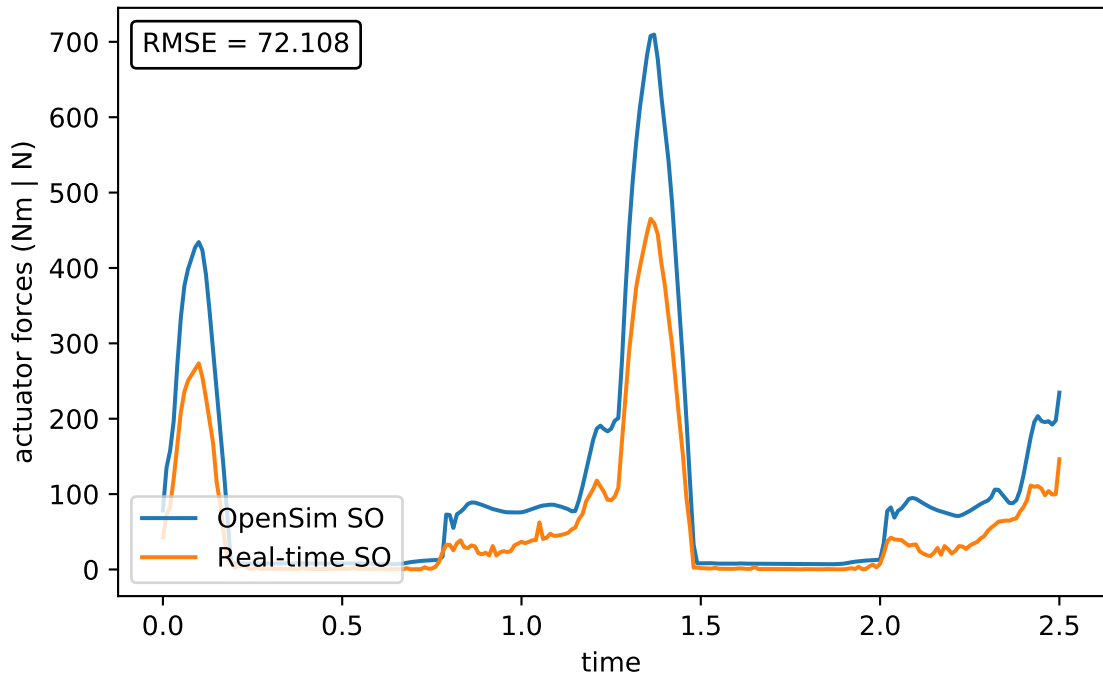
flex_dig_l



flex_hal_l



tib_ant_l



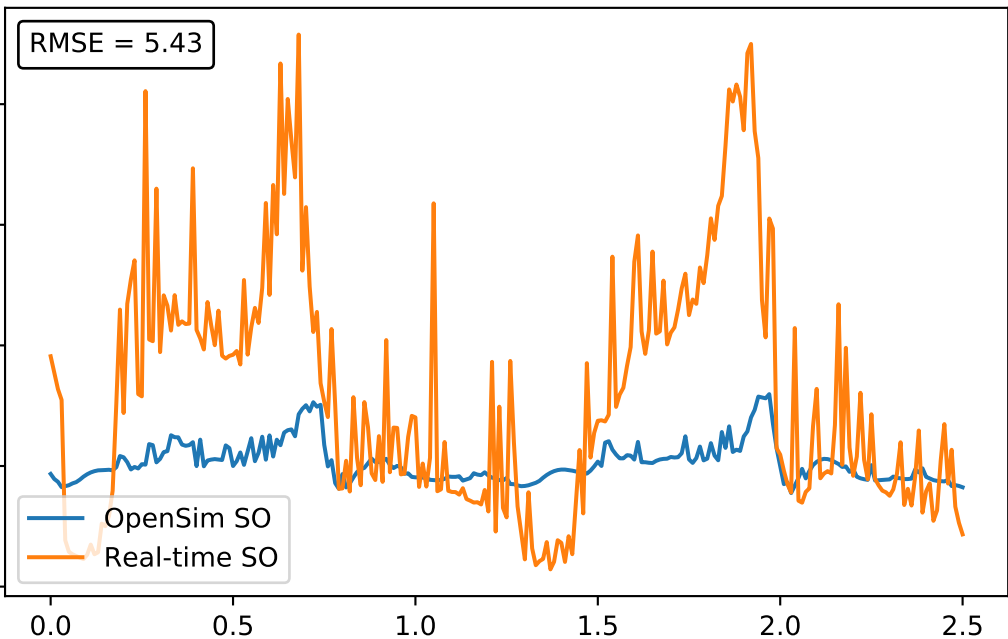
per_brev_l

RMSE = 5.43

actuator forces (Nm | N)

— OpenSim SO
— Real-time SO

time



per_long_l

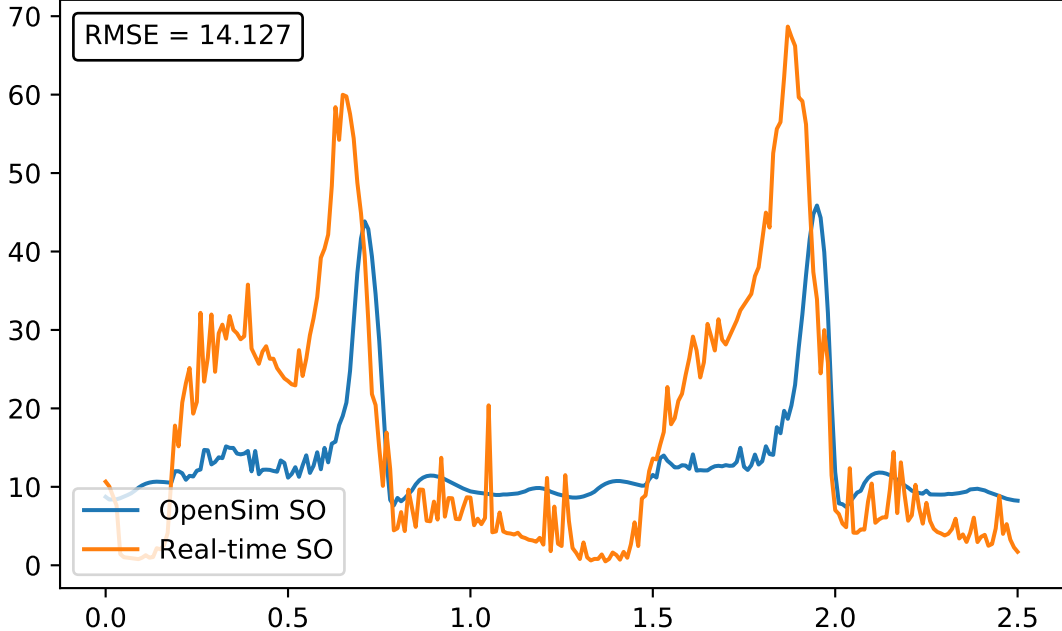
RMSE = 14.127

actuator forces (Nm | N)

— OpenSim SO
— Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5



per_tert_l

RMSE = 9.532

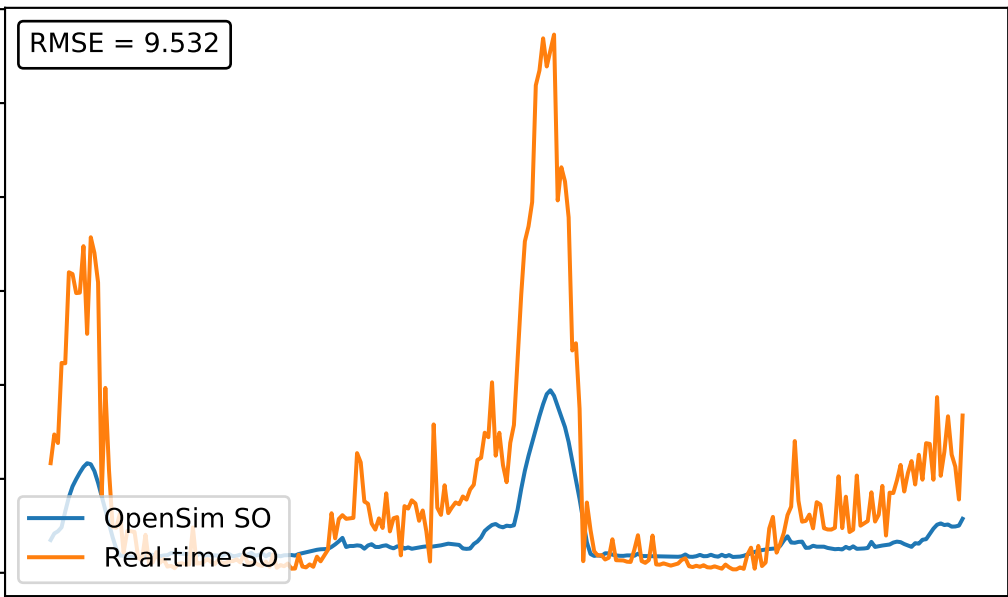
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5

60
50
40
30
20
10
0



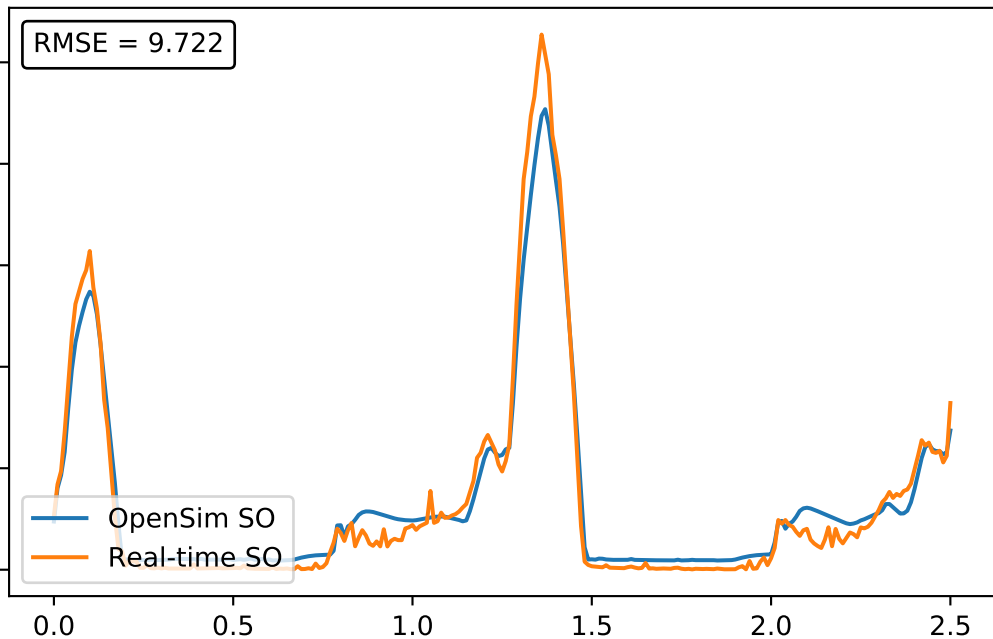
ext_dig_l

RMSE = 9.722

actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



ext_hal_l

RMSE = 15.884

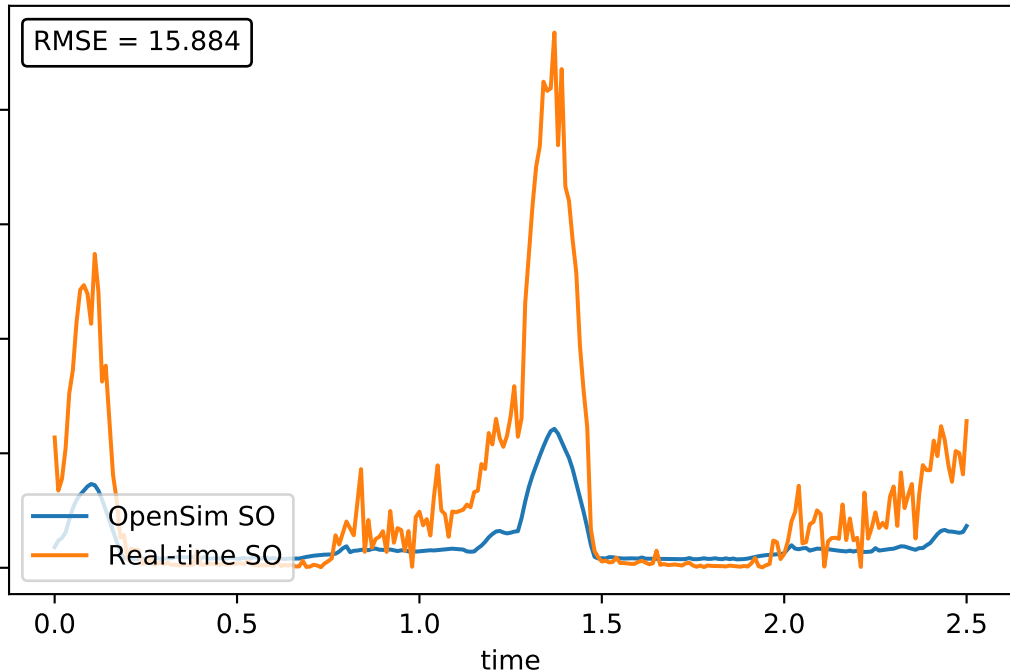
actuator forces (Nm | N)

OpenSim SO
Real-time SO

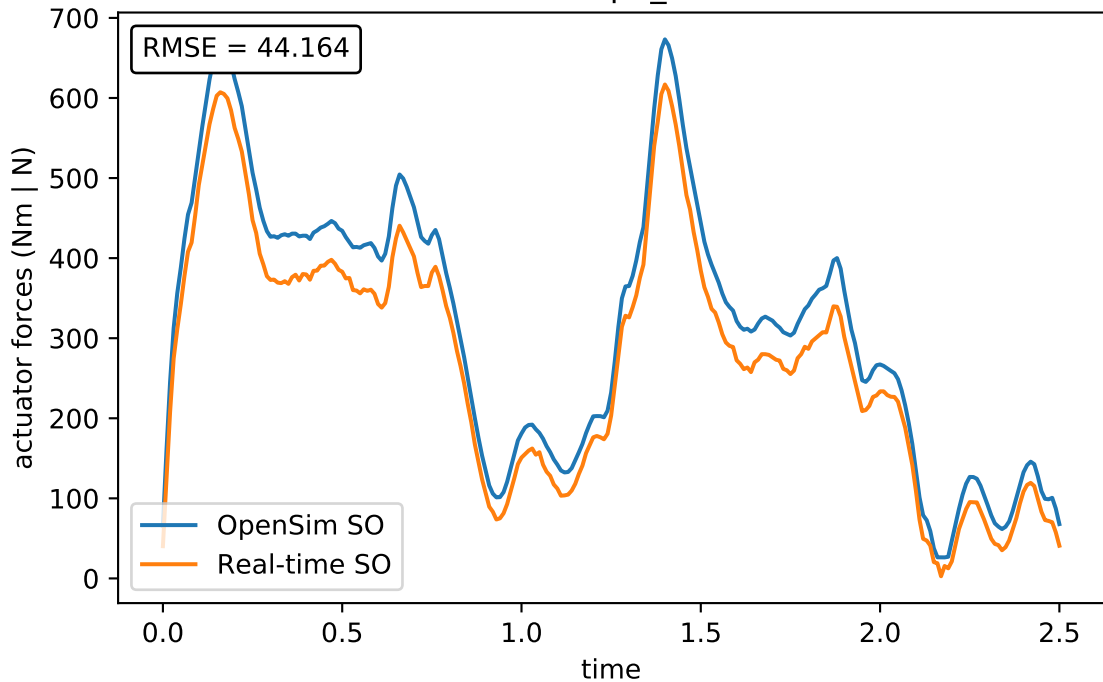
time

0.0 0.5 1.0 1.5 2.0 2.5

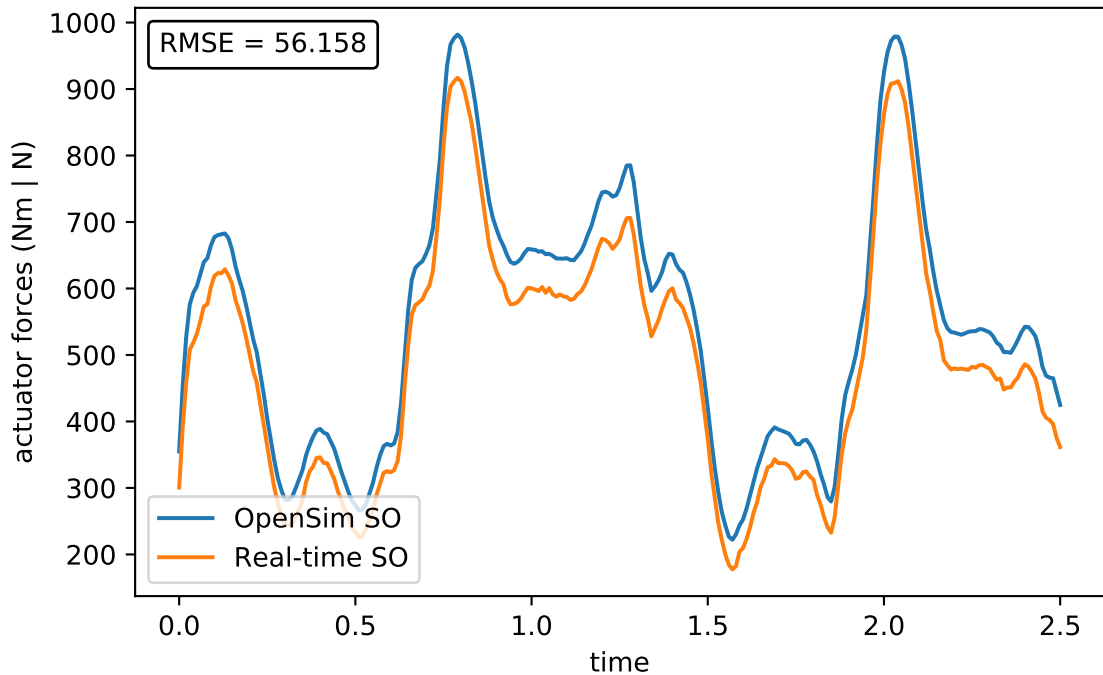
80
60
40
20
0



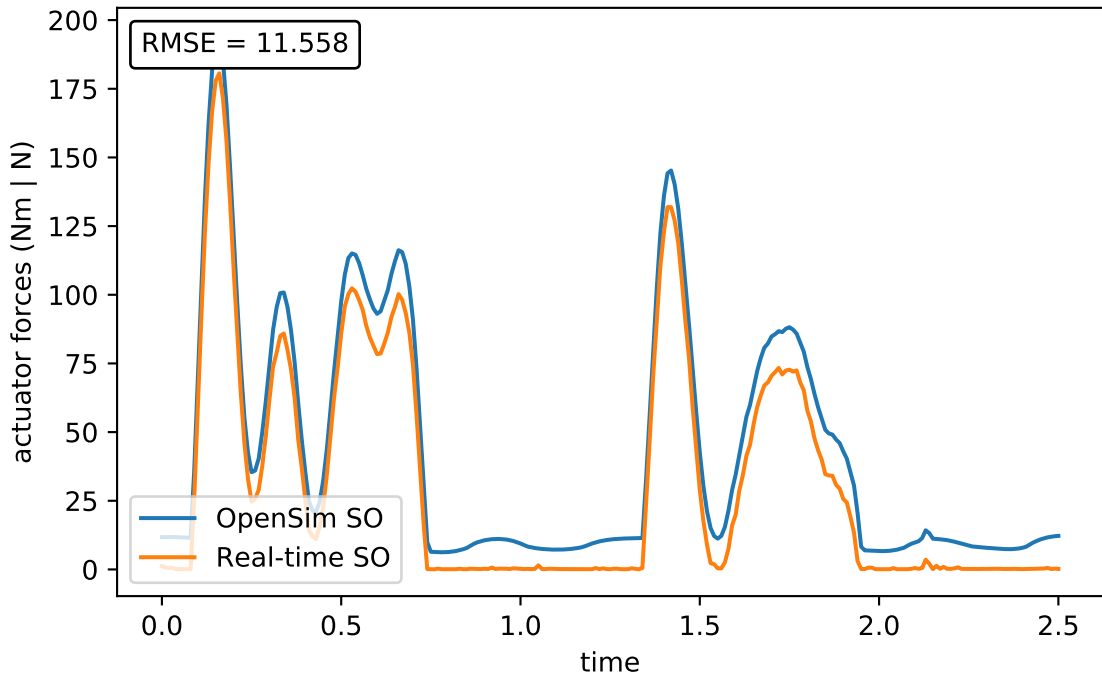
ercspn_r



ercspn_l



intobl_r



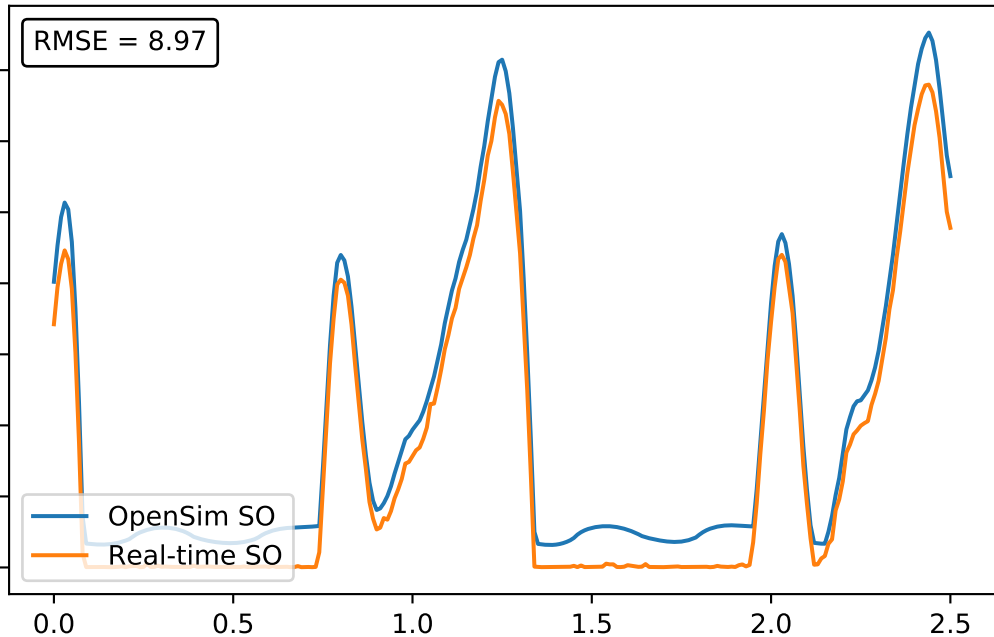
intobl_l

RMSE = 8.97

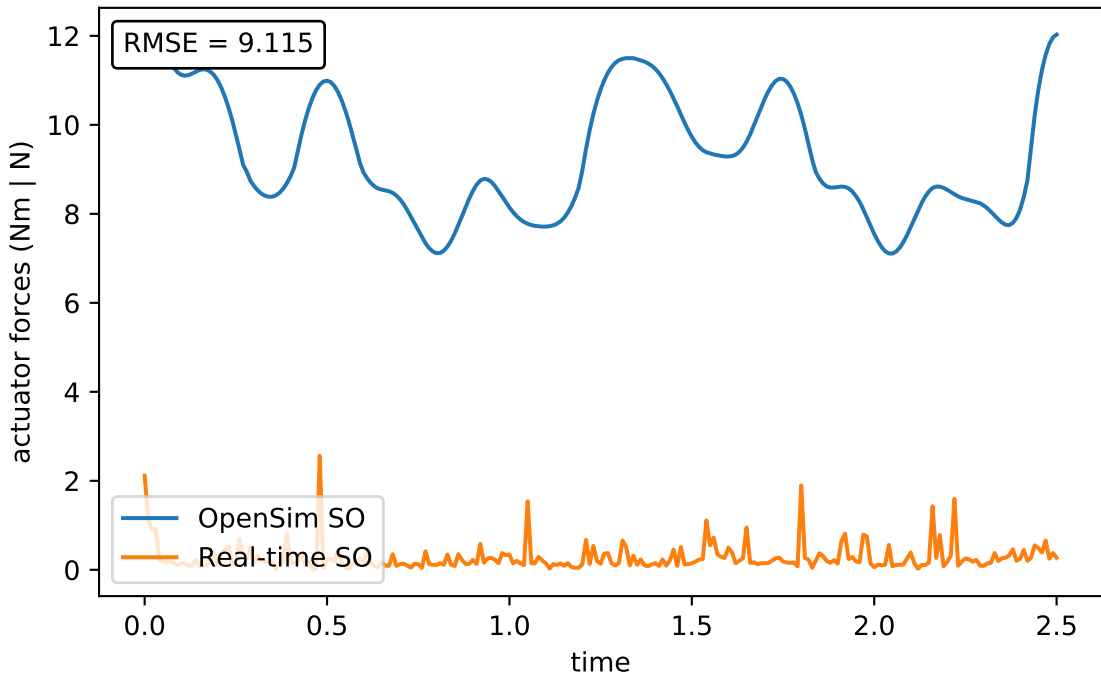
actuator forces (Nm | N)

OpenSim SO
Real-time SO

time



extobl_r



extobl_l

RMSE = 8.781

actuator forces (Nm | N)

— OpenSim SO
— Real-time SO

time

0.0 0.5 1.0 1.5 2.0 2.5

