

1e-14 ground\_pelvis\_on\_pelvis\_in\_ground\_fx

RMSE = 0.0

joint reaction (Nm | N)

4  
2  
0  
-2

— OpenSim  
— Real-time

time (s)

0.0

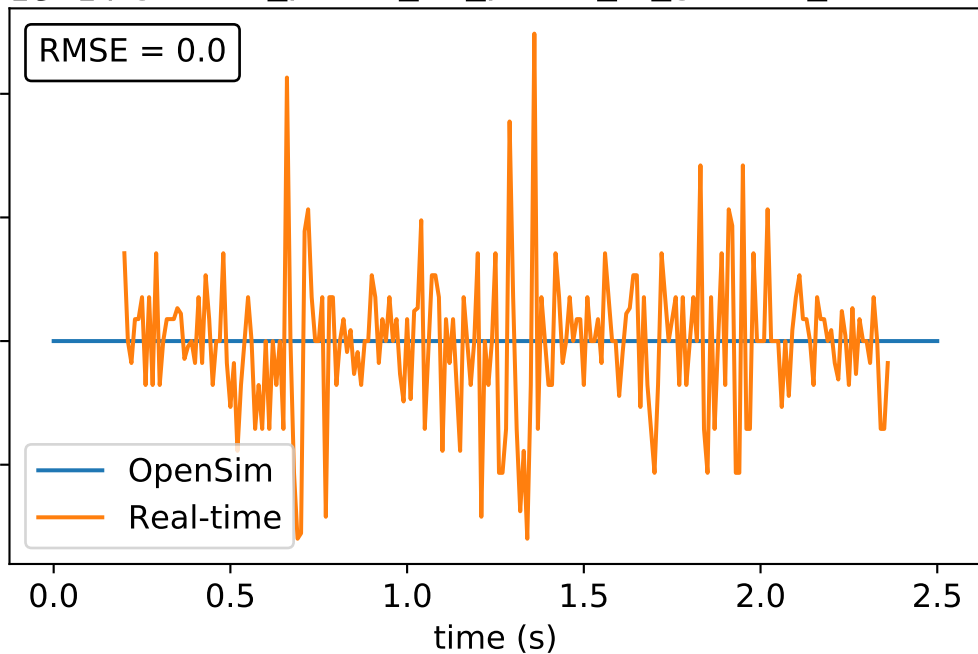
0.5

1.0

1.5

2.0

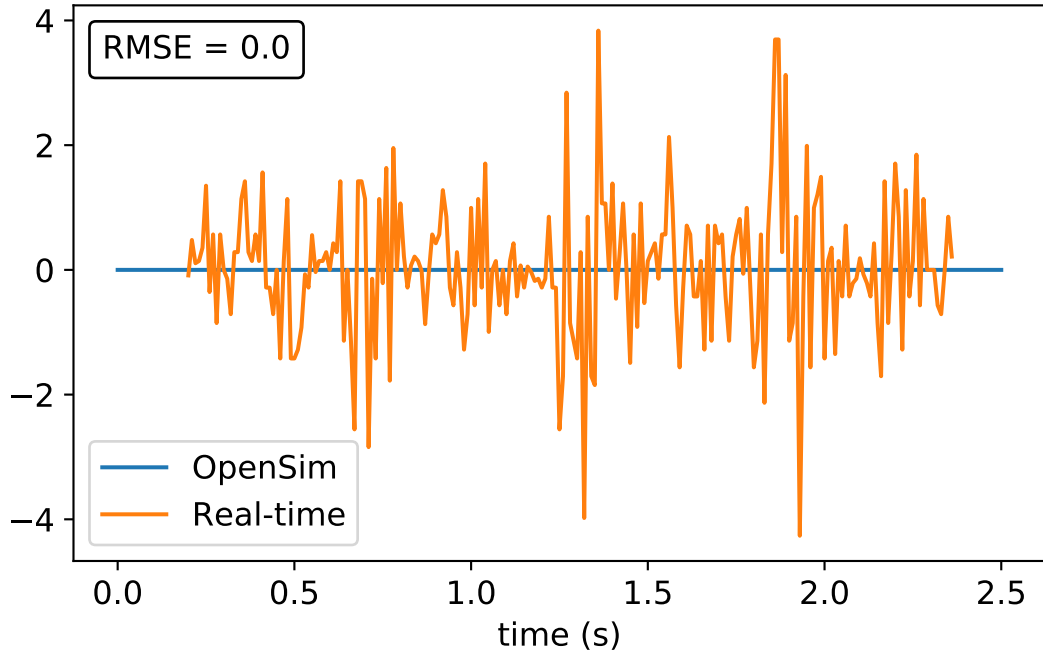
2.5



1e-13 ground\_pelvis\_on\_pelvis\_in\_ground\_fy

RMSE = 0.0

joint reaction (Nm | N)



1e-13 ground\_pelvis\_on\_pelvis\_in\_ground\_fz

RMSE = 0.0

joint reaction (Nm | N)

1.00  
0.75  
0.50  
0.25  
0.00  
-0.25  
-0.50  
-0.75

— OpenSim  
— Real-time

time (s)

0.0

0.5

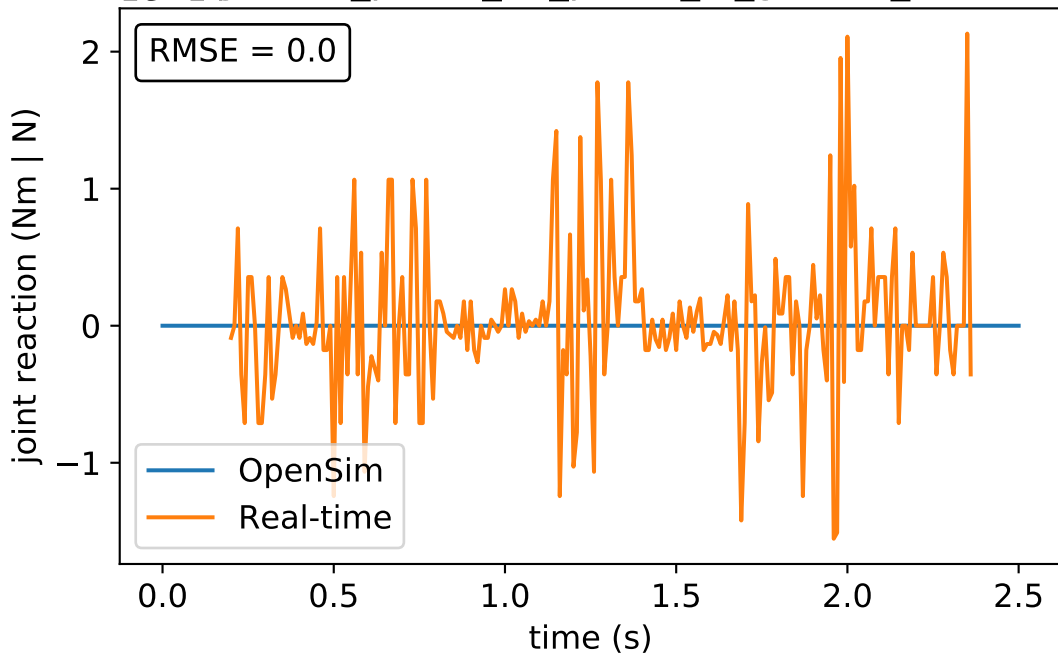
1.0

1.5

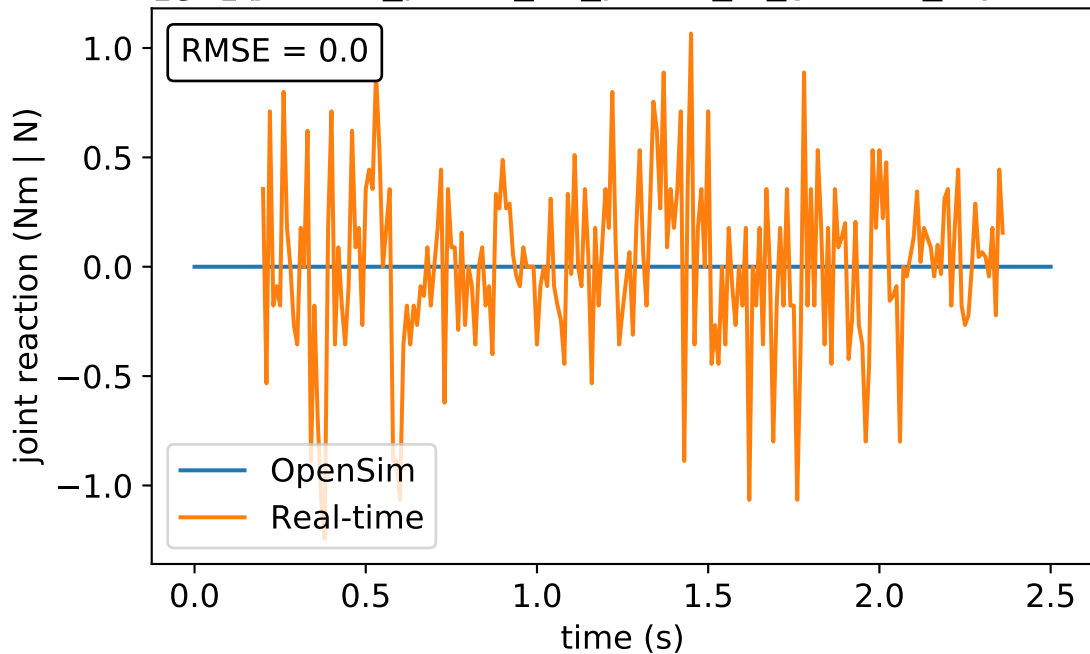
2.0

2.5

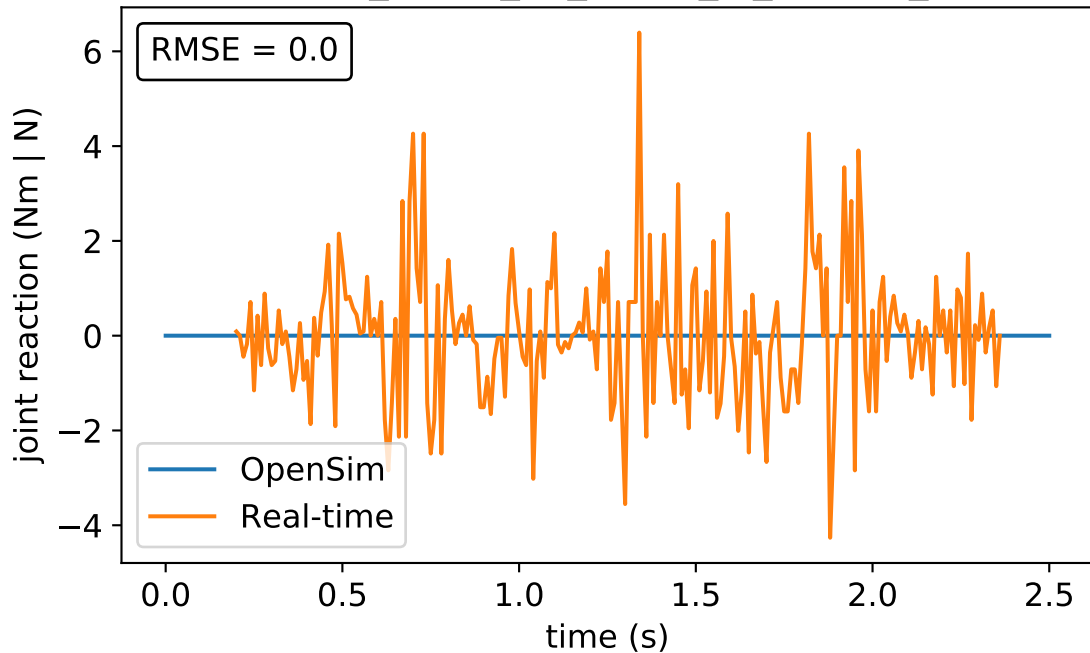
1e-14 ground\_pelvis\_on\_pelvis\_in\_ground\_mx



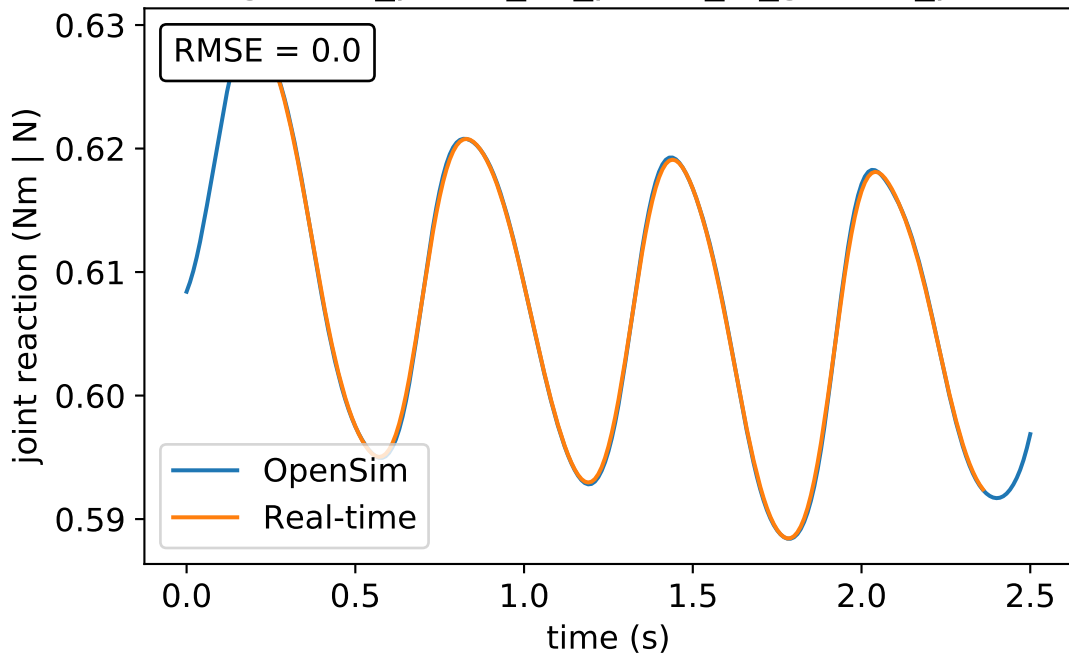
1e-14 ground\_pelvis\_on\_pelvis\_in\_ground\_my



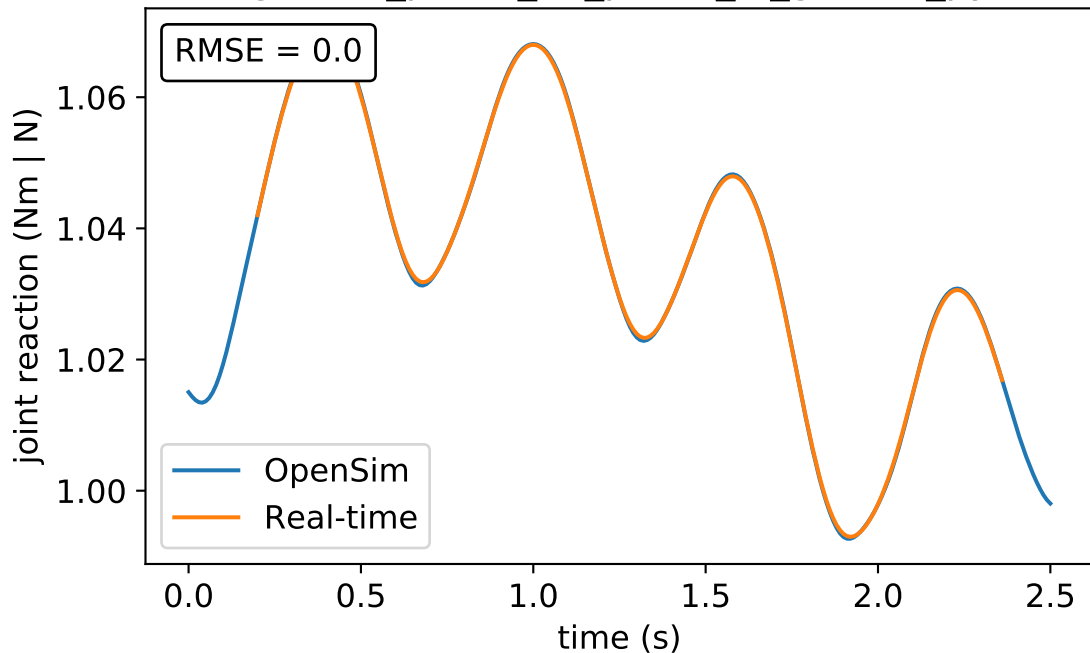
1e-14 ground\_pelvis\_on\_pelvis\_in\_ground\_mz



# ground\_pelvis\_on\_pelvis\_in\_ground\_px

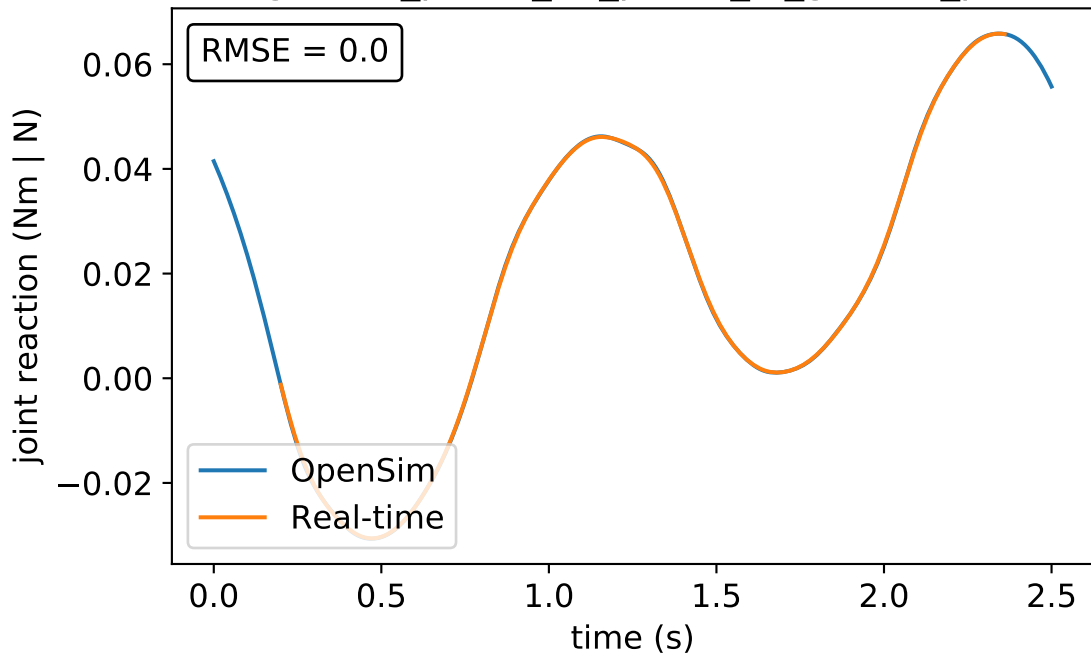


# ground\_pelvis\_on\_pelvis\_in\_ground\_py

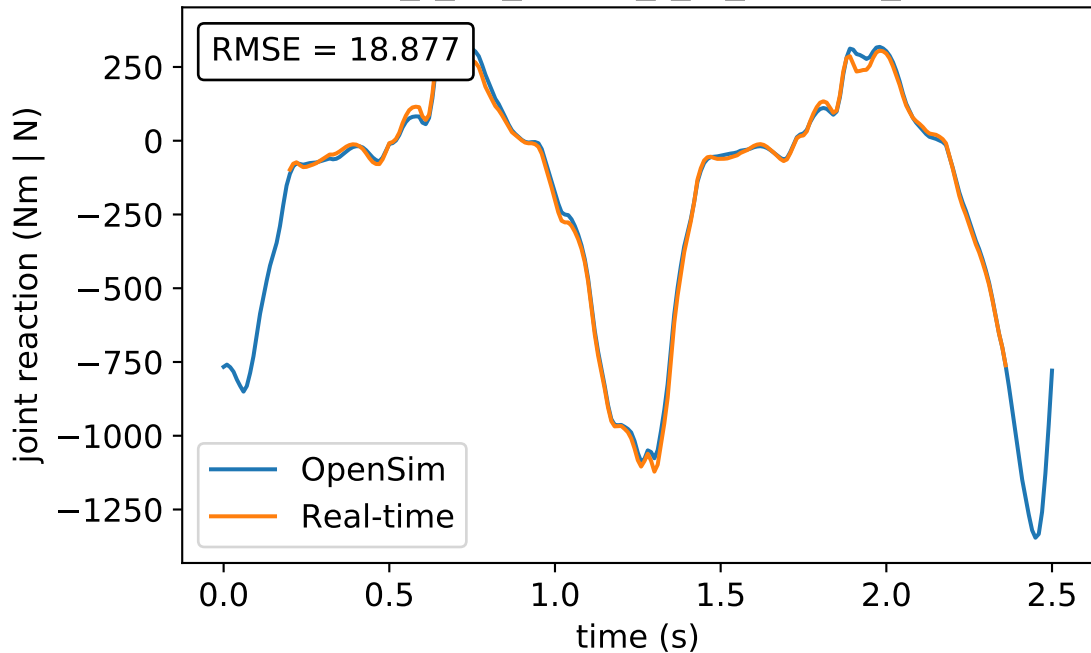




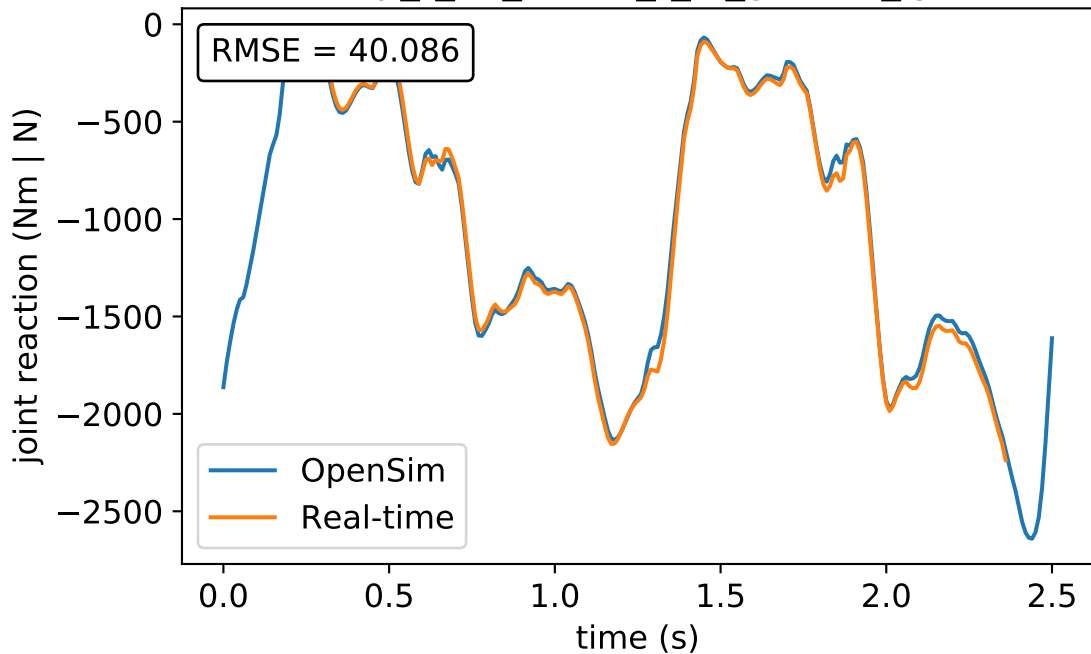
# ground\_pelvis\_on\_pelvis\_in\_ground\_pz



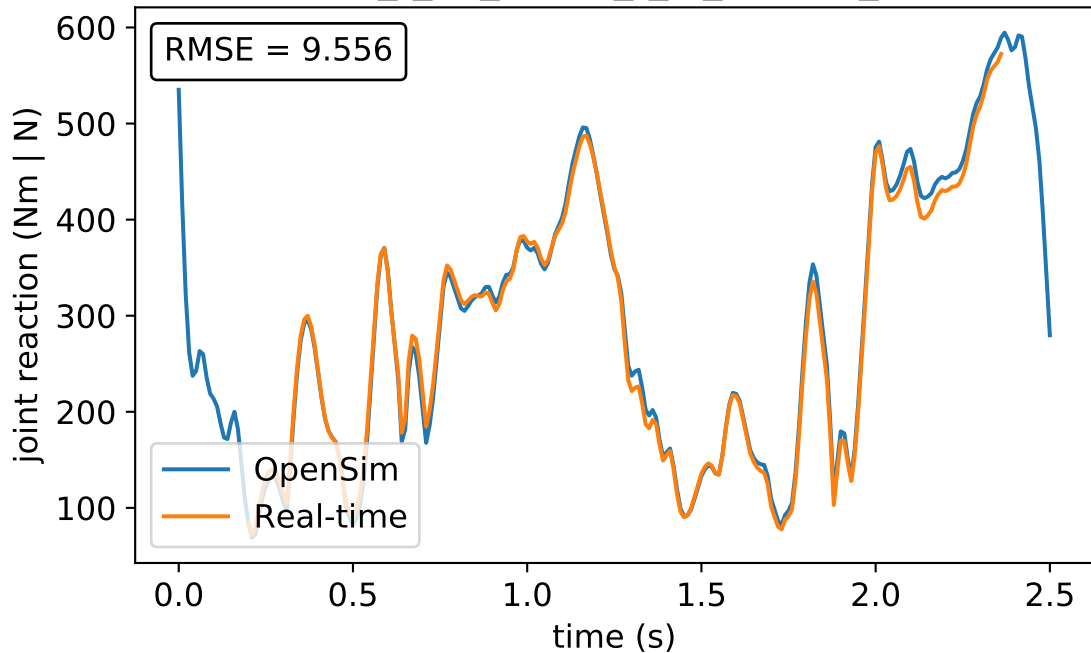
# hip\_r\_on\_femur\_r\_in\_ground\_fx



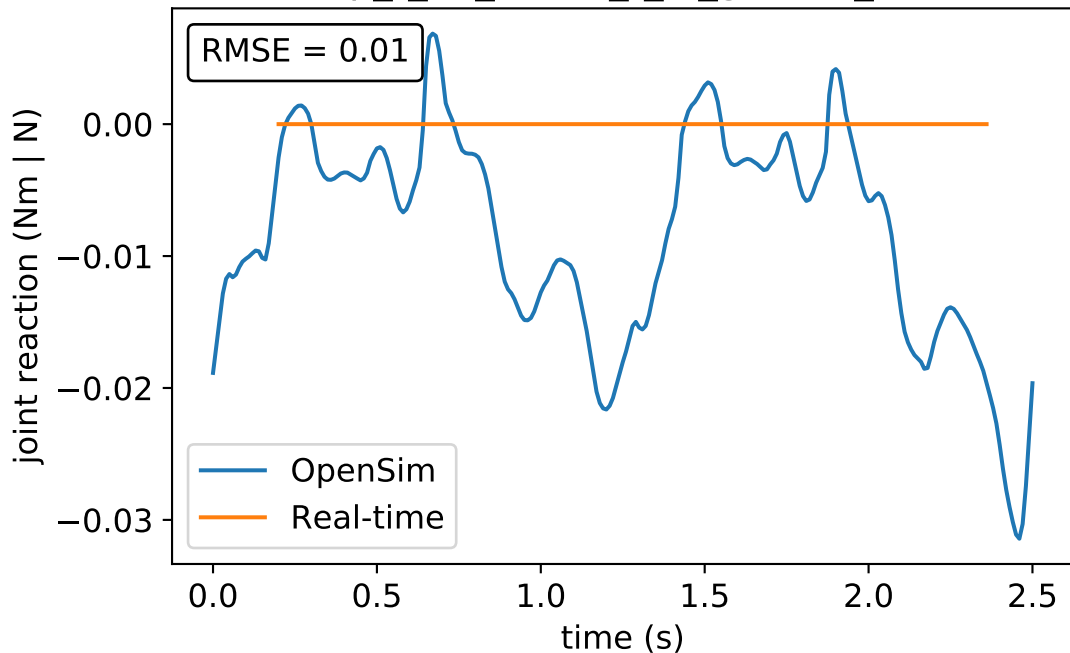
# hip\_r\_on\_femur\_r\_in\_ground\_fy



# hip\_r\_on\_femur\_r\_in\_ground\_fz



# hip\_r\_on\_femur\_r\_in\_ground\_mx



# hip\_r\_on\_femur\_r\_in\_ground\_my

RMSE = 0.004

joint reaction (Nm | N)

0.010  
0.005  
0.000  
-0.005

0.0

0.5

1.0

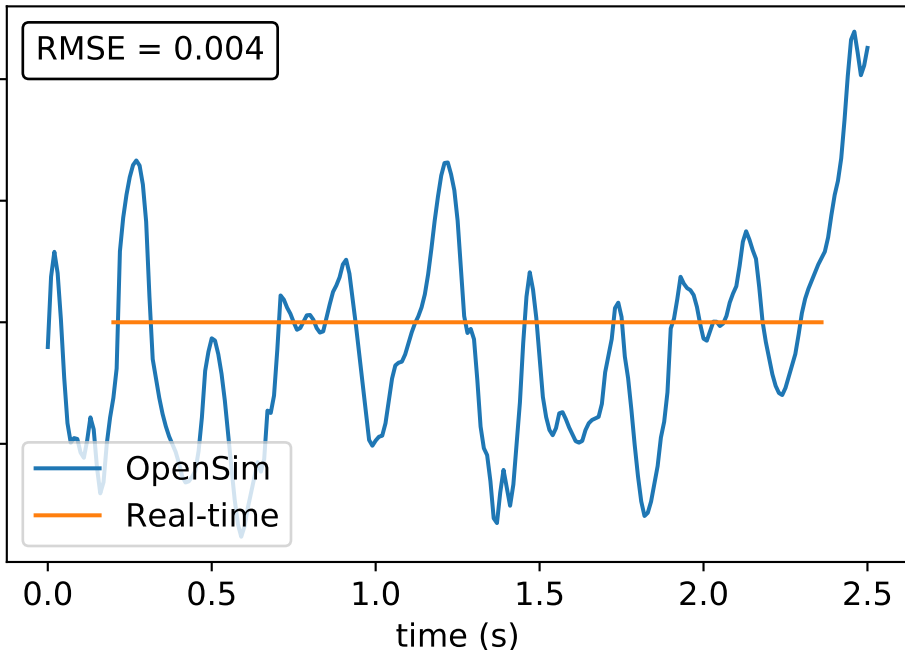
1.5

2.0

2.5

time (s)

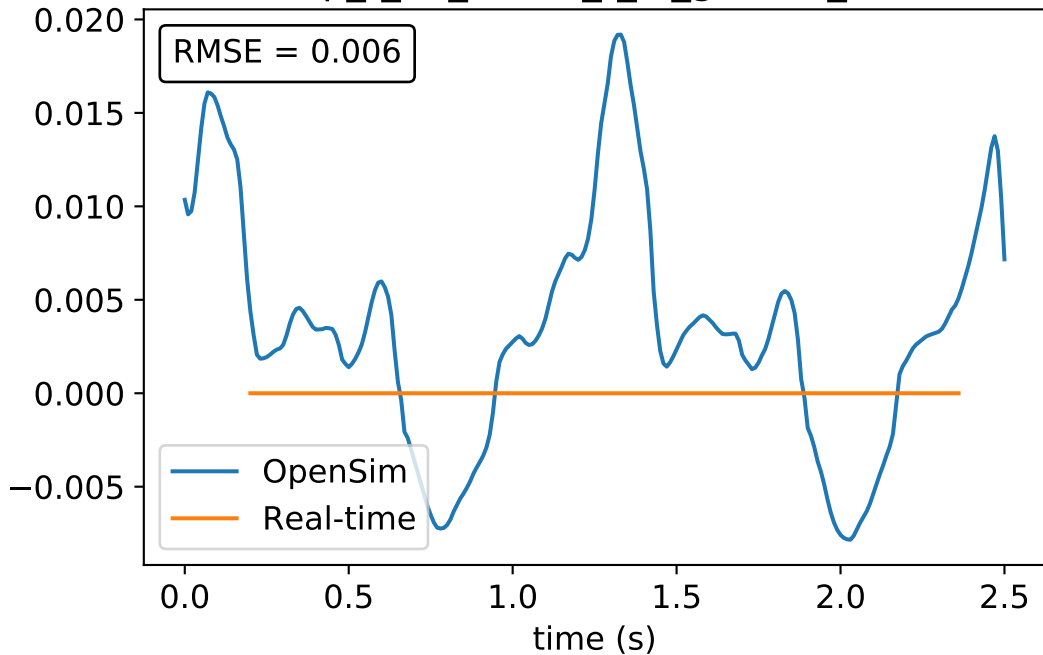
OpenSim  
Real-time



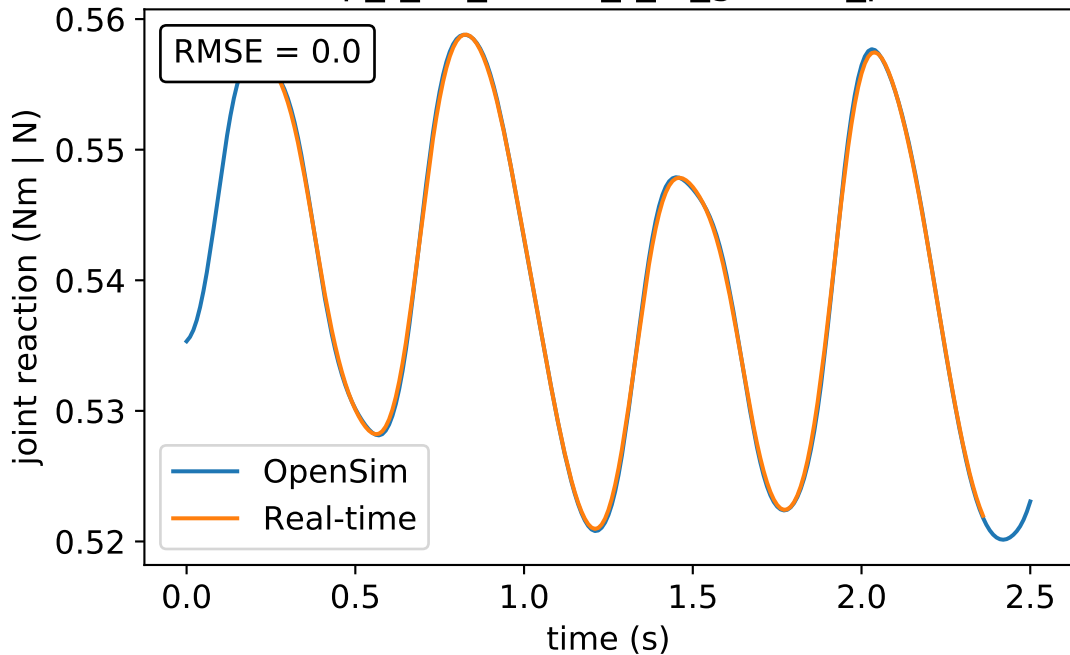
# hip\_r\_on\_femur\_r\_in\_ground\_mz

RMSE = 0.006

joint reaction (Nm | N)

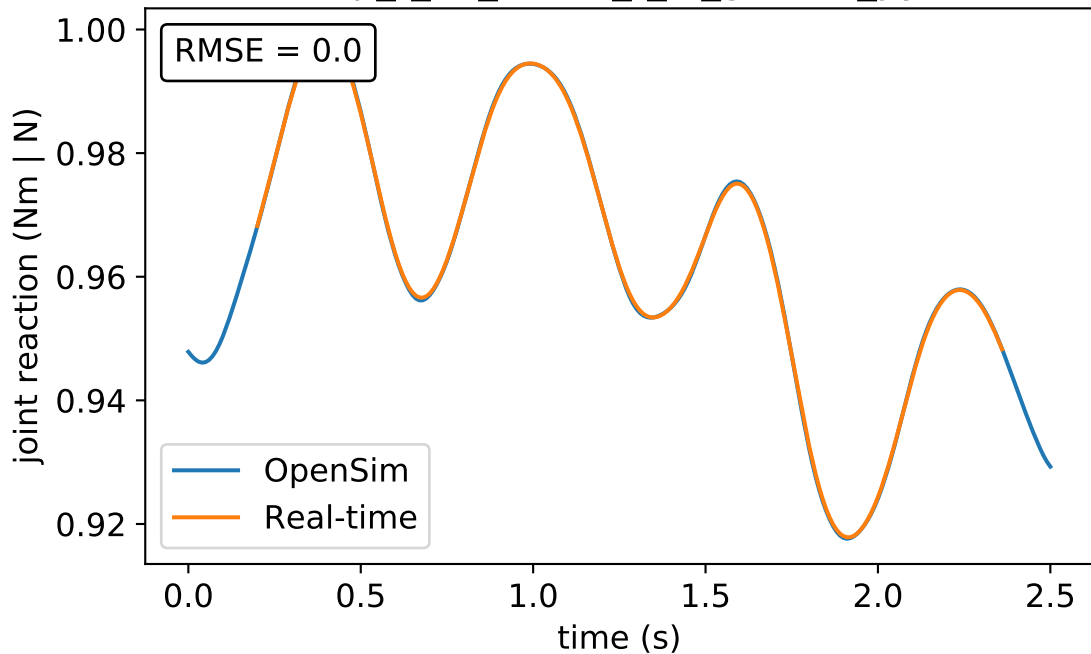


# hip\_r\_on\_femur\_r\_in\_ground\_px

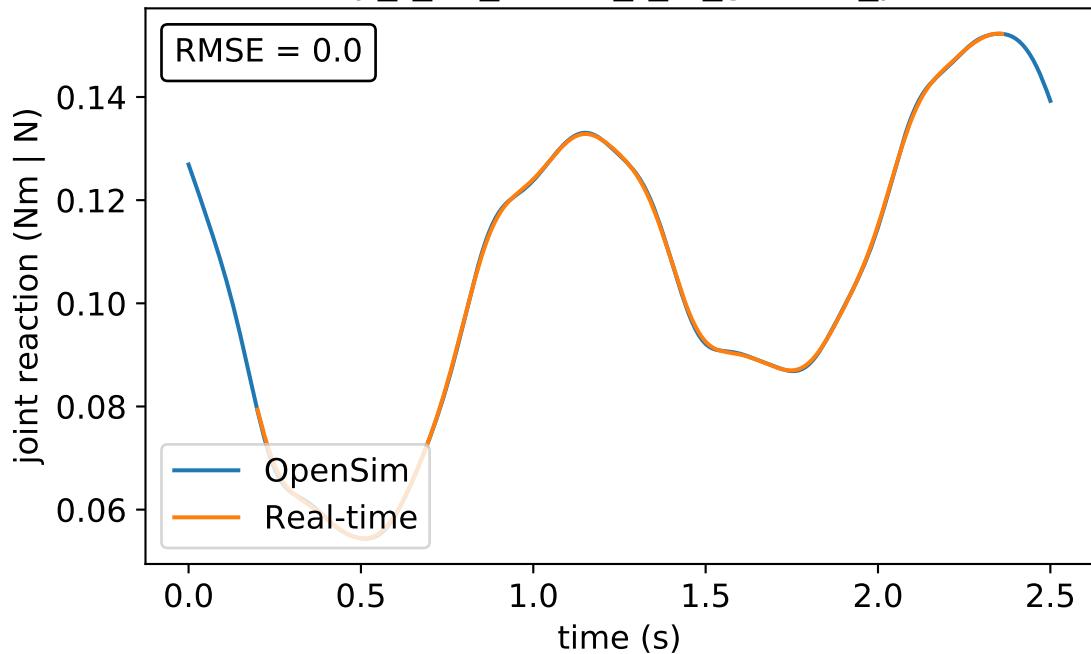




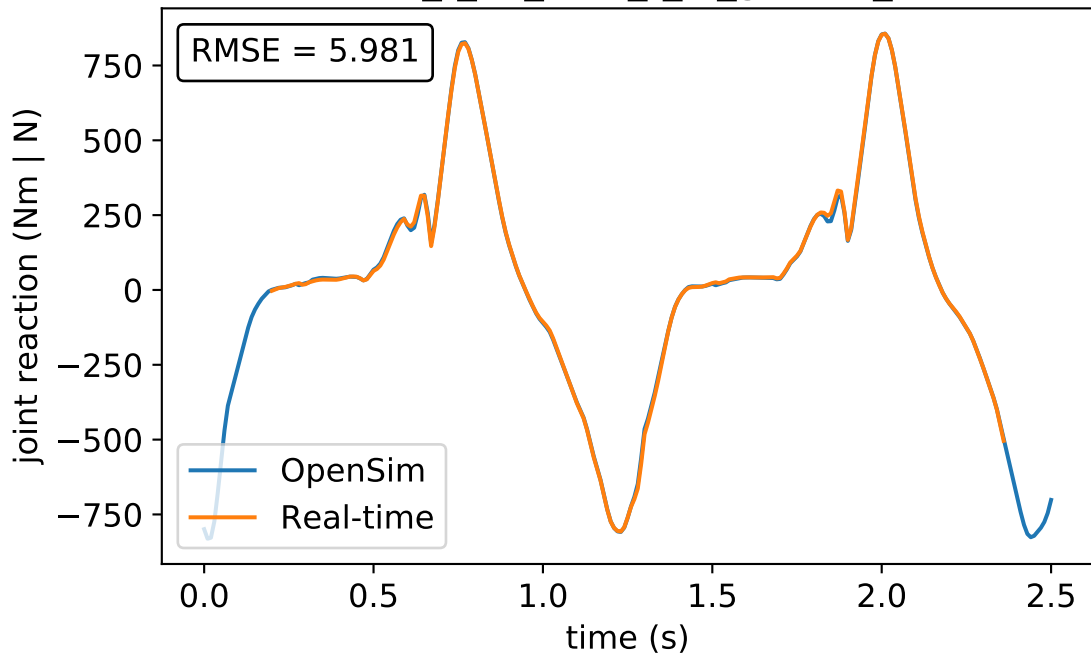
# hip\_r\_on\_femur\_r\_in\_ground\_py



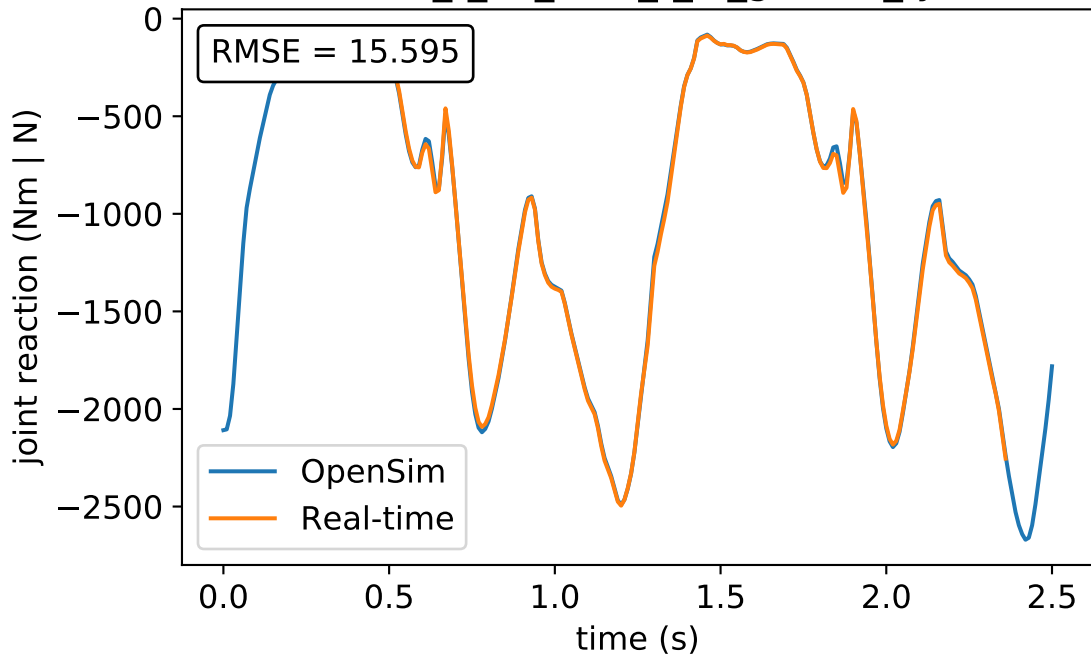
# hip\_r\_on\_femur\_r\_in\_ground\_pz



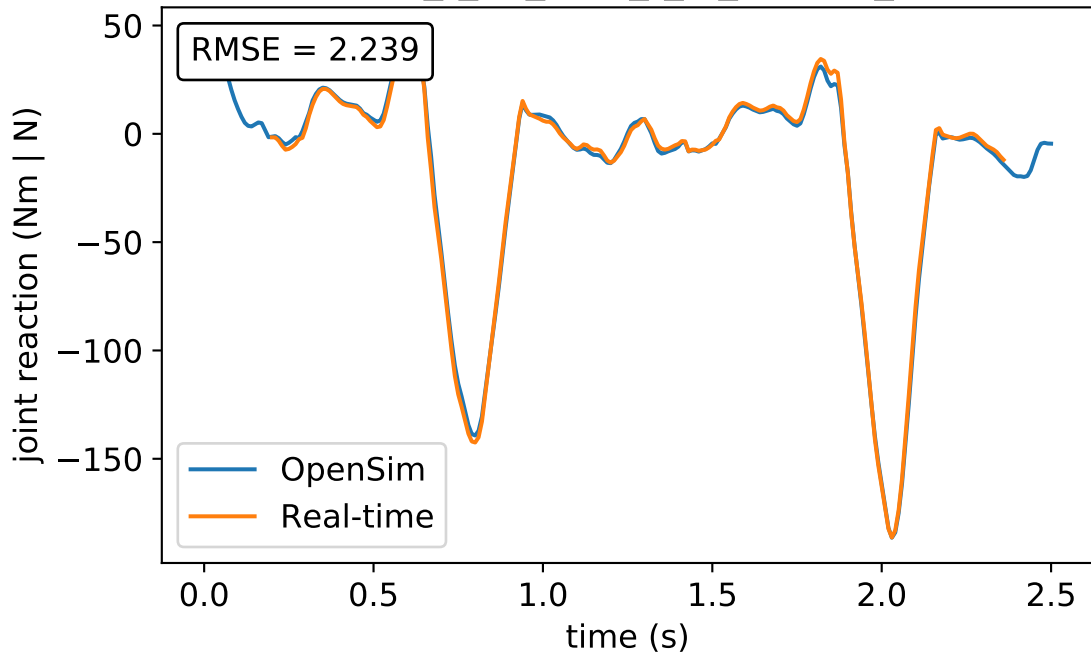
# knee\_r\_on\_tibia\_r\_in\_ground\_fx



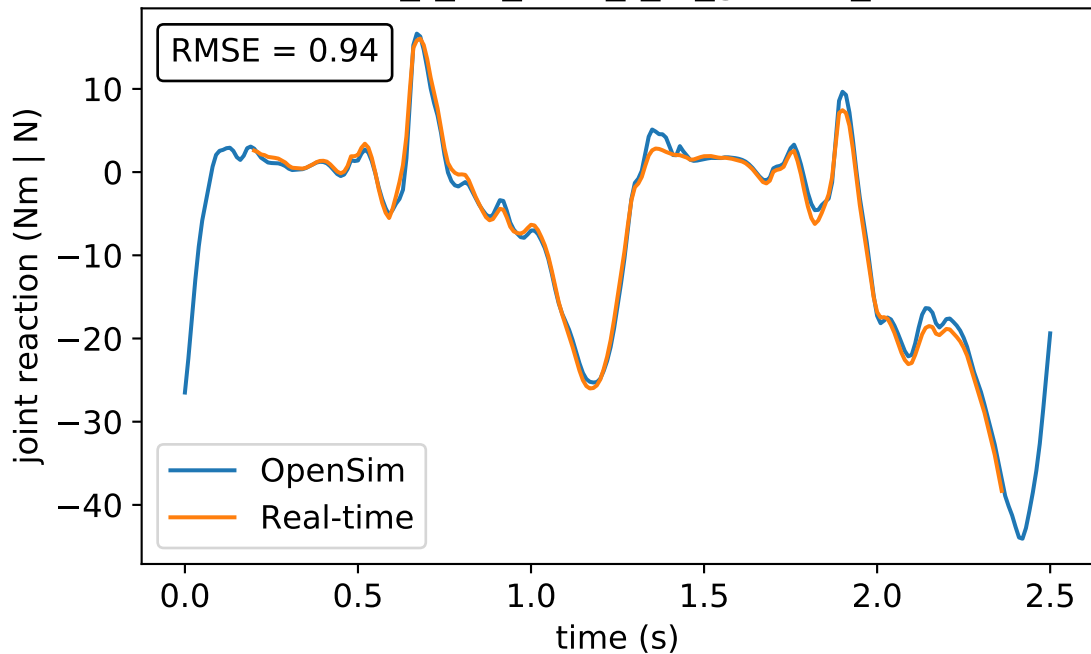
# knee\_r\_on\_tibia\_r\_in\_ground\_fy



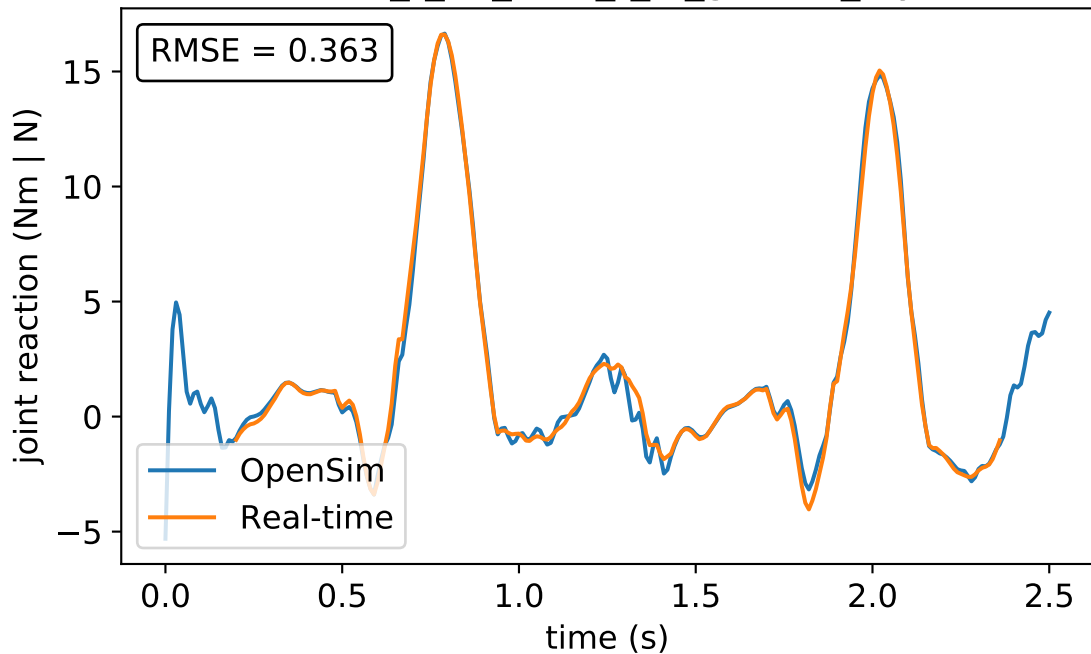
# knee\_r\_on\_tibia\_r\_in\_ground\_fz



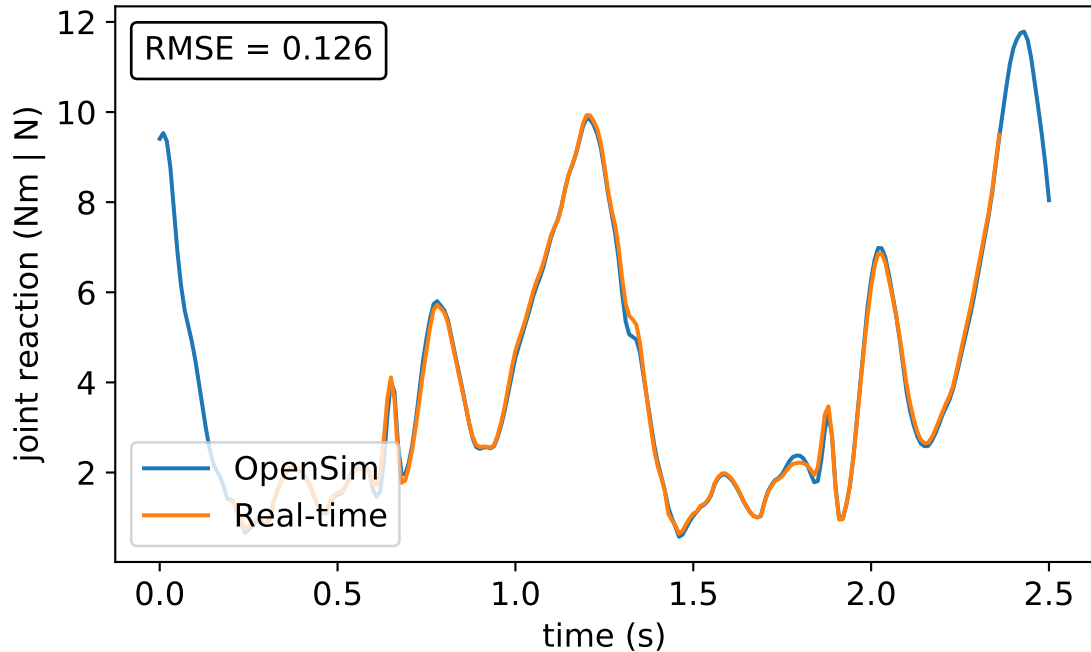
# knee\_r\_on\_tibia\_r\_in\_ground\_mx



# knee\_r\_on\_tibia\_r\_in\_ground\_my

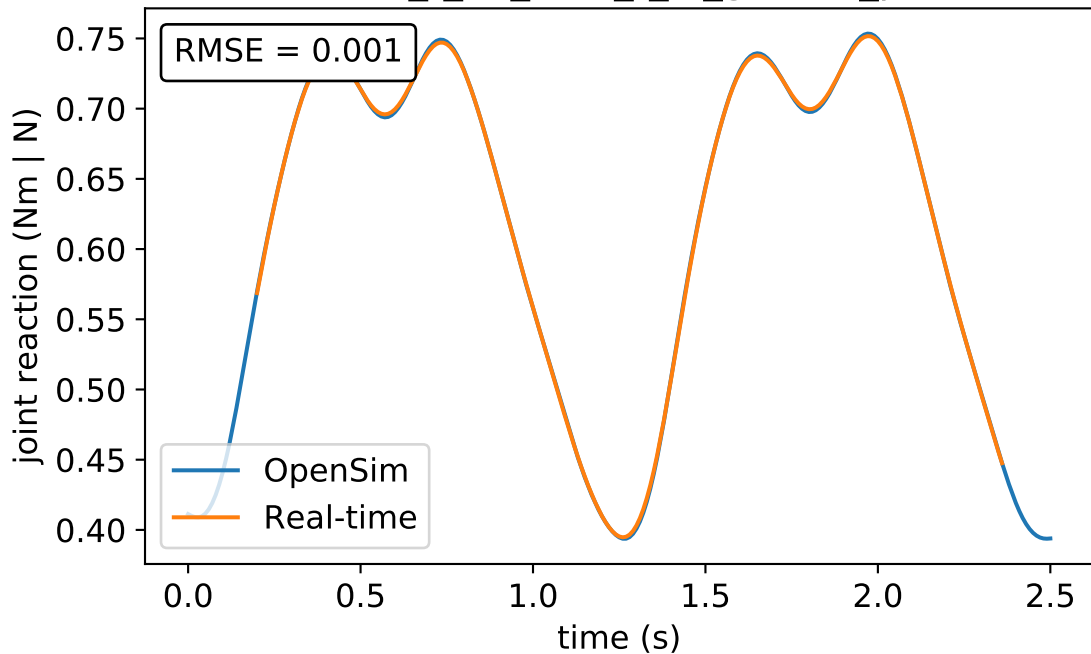


# knee\_r\_on\_tibia\_r\_in\_ground\_mz

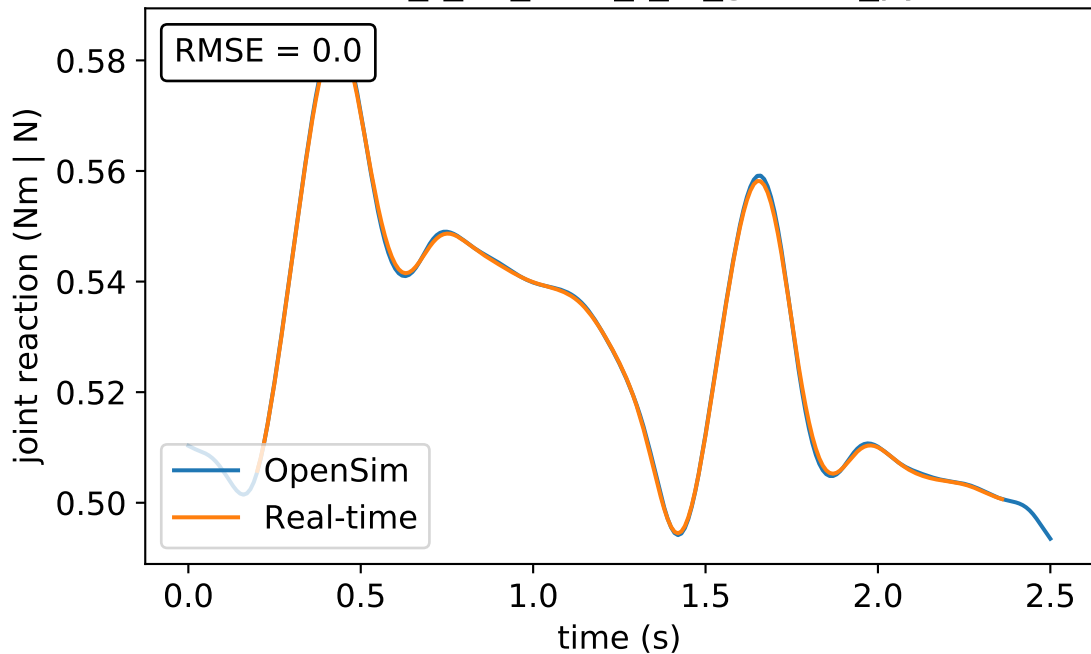




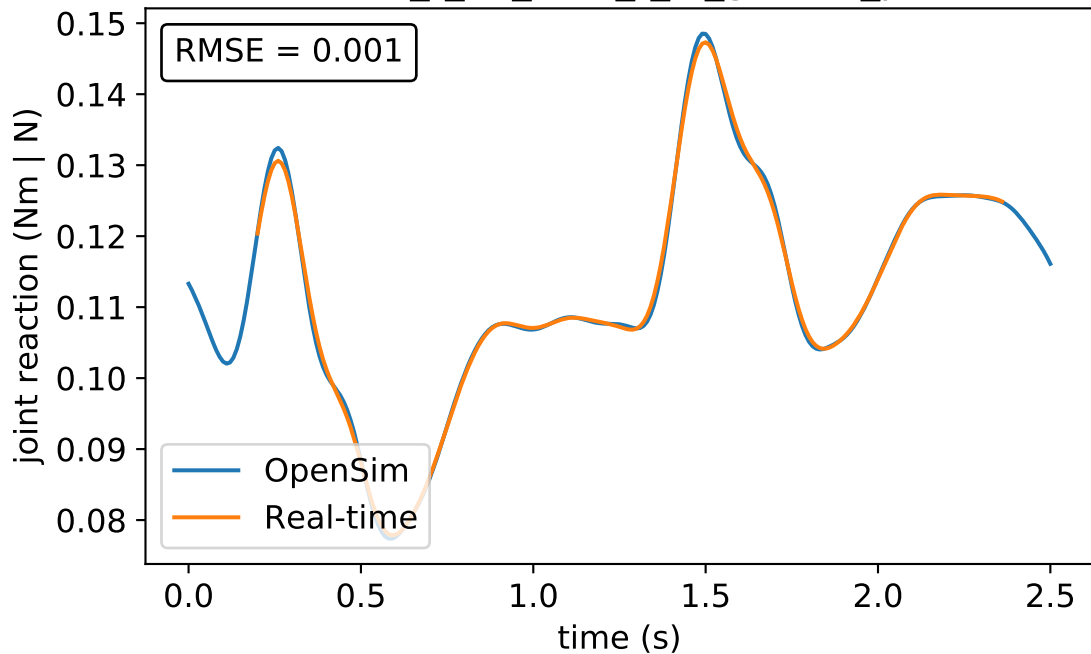
# knee\_r\_on\_tibia\_r\_in\_ground\_px



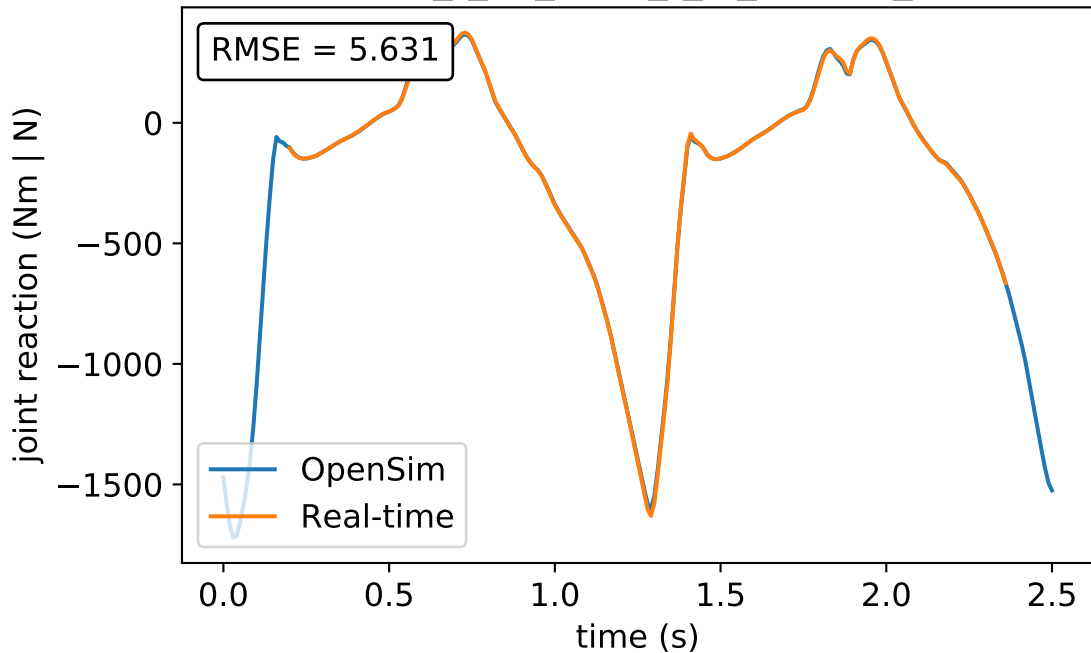
# knee\_r\_on\_tibia\_r\_in\_ground\_py



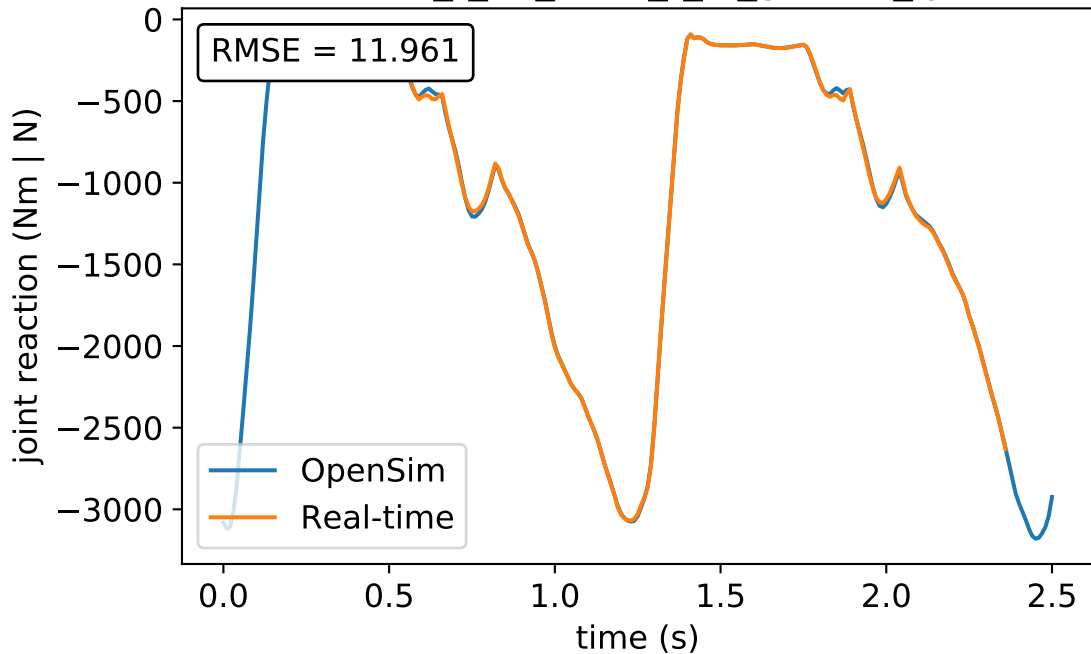
# knee\_r\_on\_tibia\_r\_in\_ground\_pz



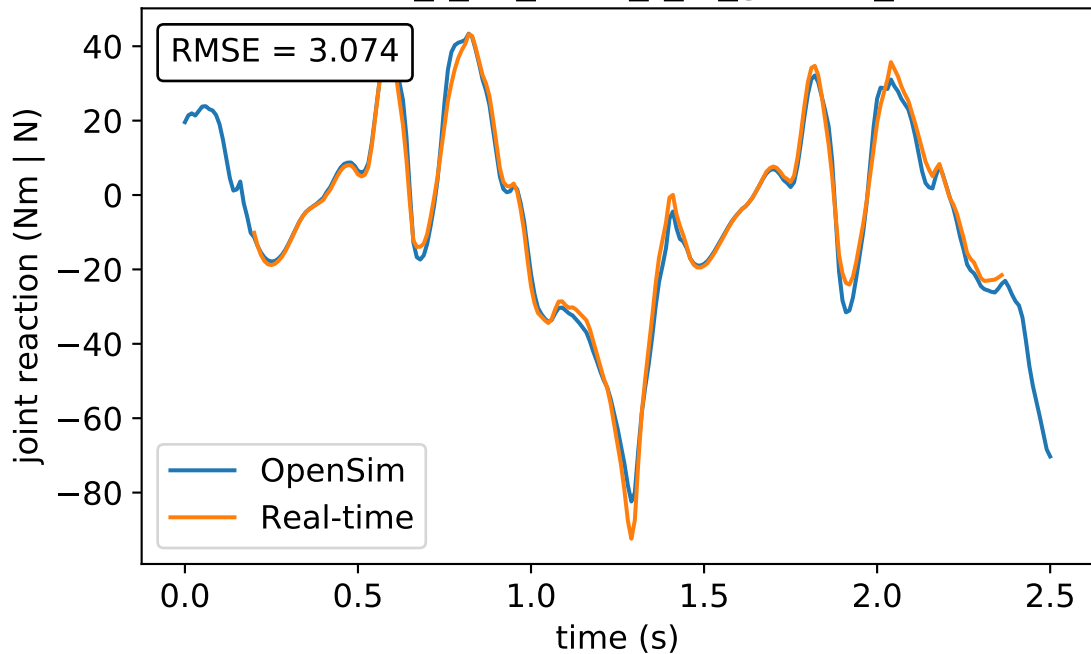
# ankle\_r\_on\_talus\_r\_in\_ground\_fx



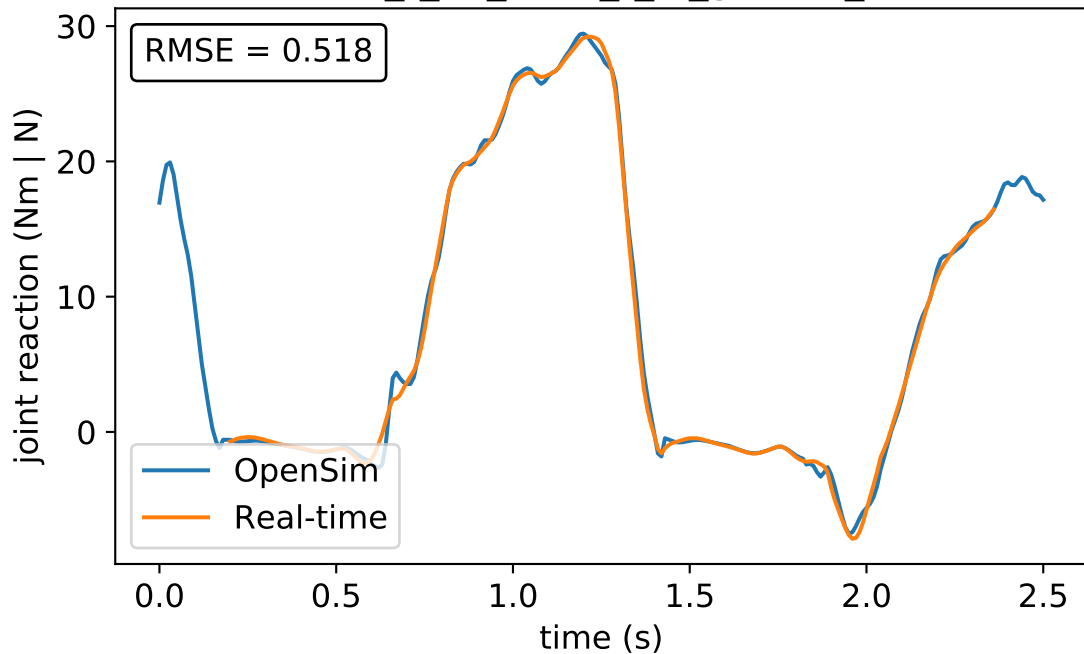
# ankle\_r\_on\_talus\_r\_in\_ground\_fy



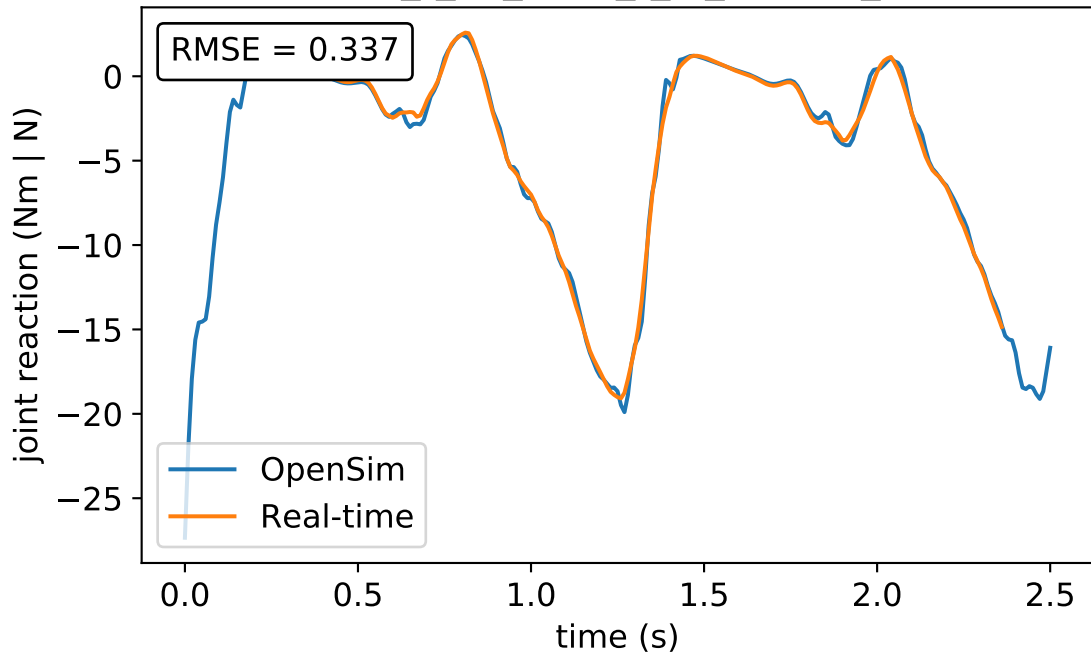
# ankle\_r\_on\_talus\_r\_in\_ground\_fz



# ankle\_r\_on\_talus\_r\_in\_ground\_mx

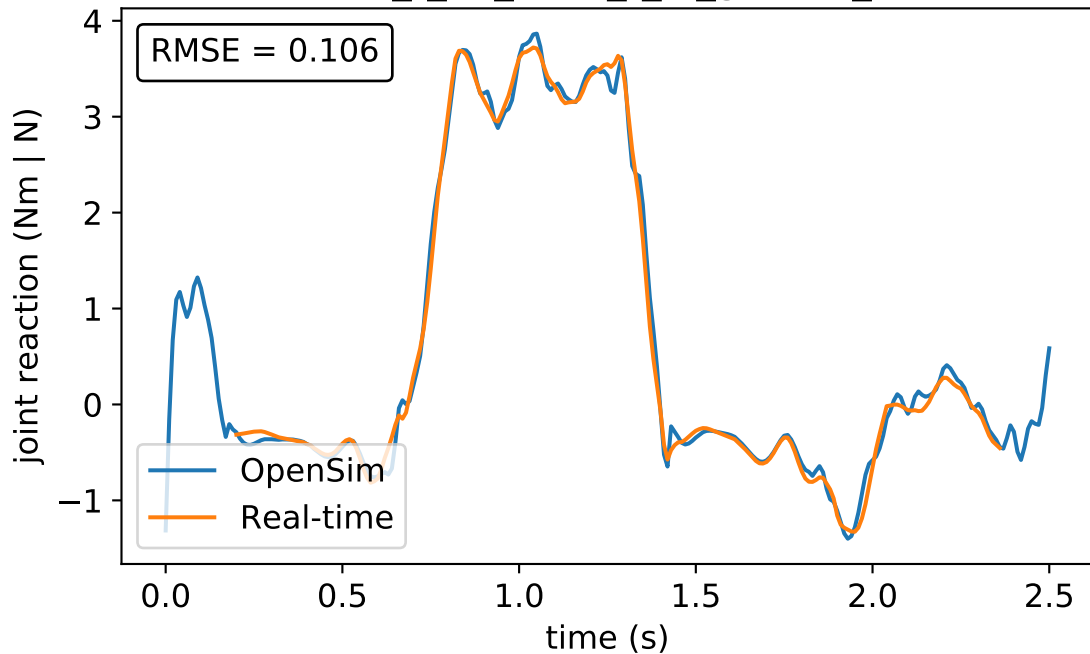


# ankle\_r\_on\_talus\_r\_in\_ground\_my

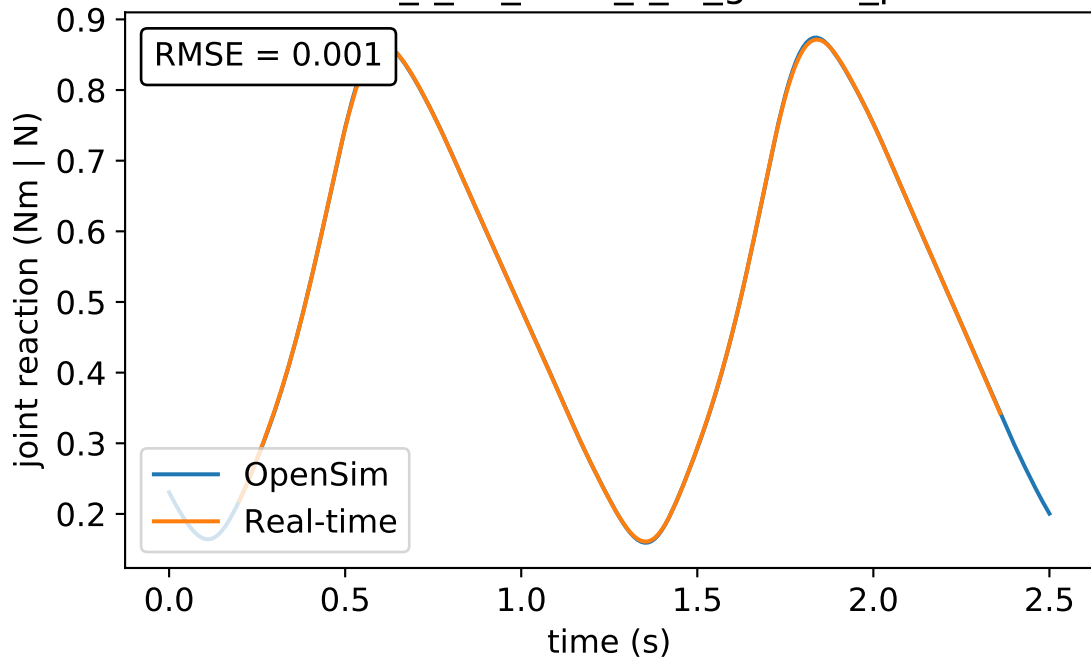




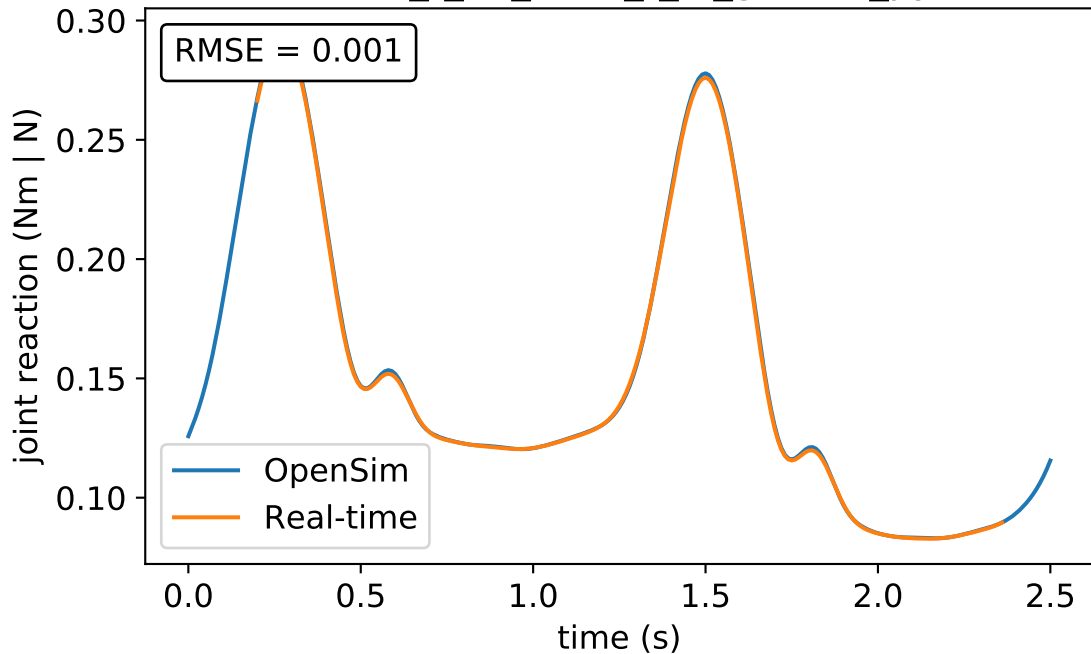
# ankle\_r\_on\_talus\_r\_in\_ground\_mz



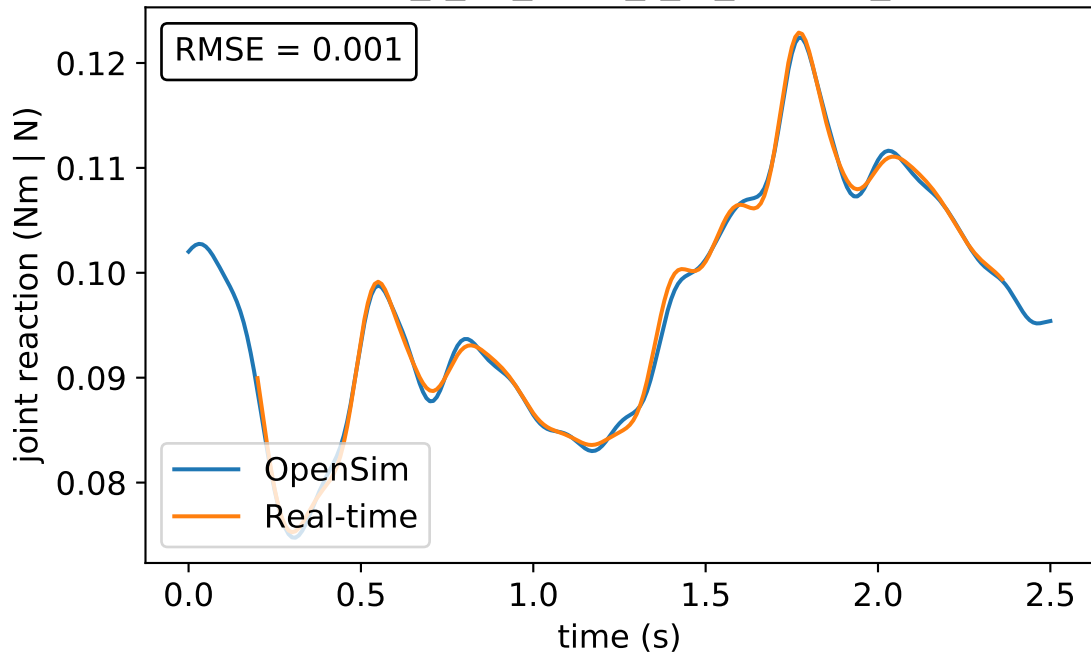
# ankle\_r\_on\_talus\_r\_in\_ground\_px



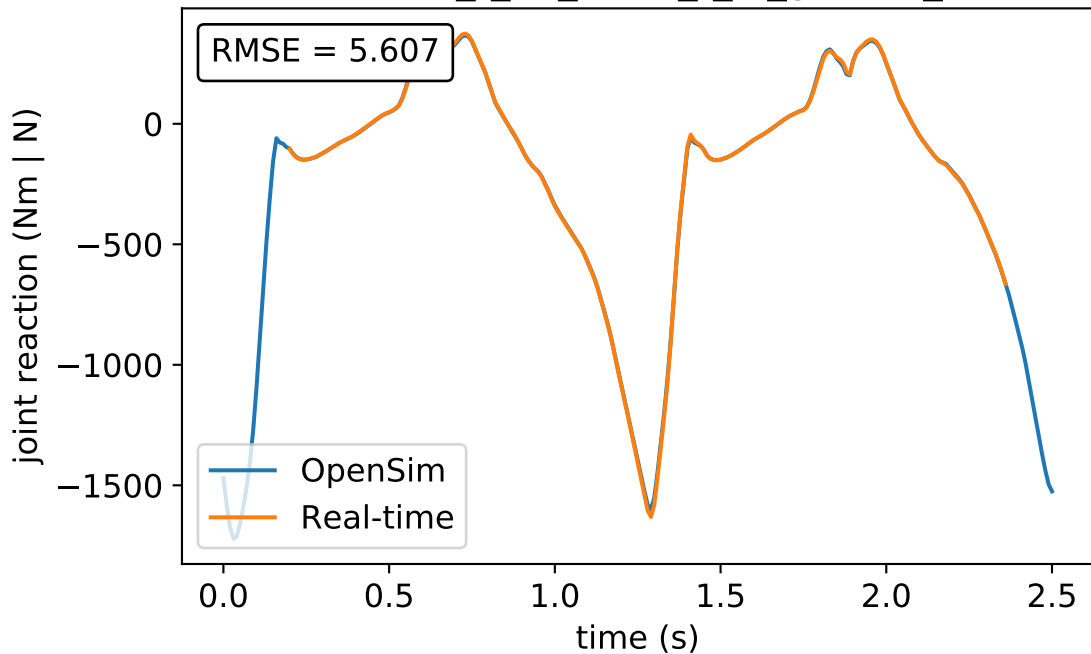
# ankle\_r\_on\_talus\_r\_in\_ground\_py



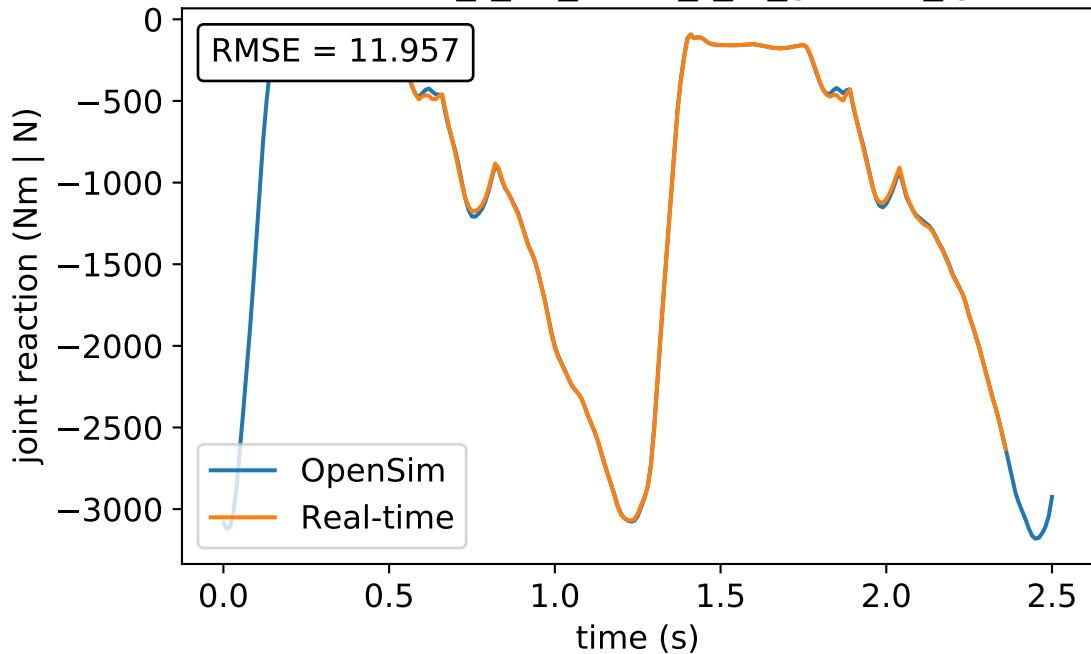
# ankle\_r\_on\_talus\_r\_in\_ground\_pz



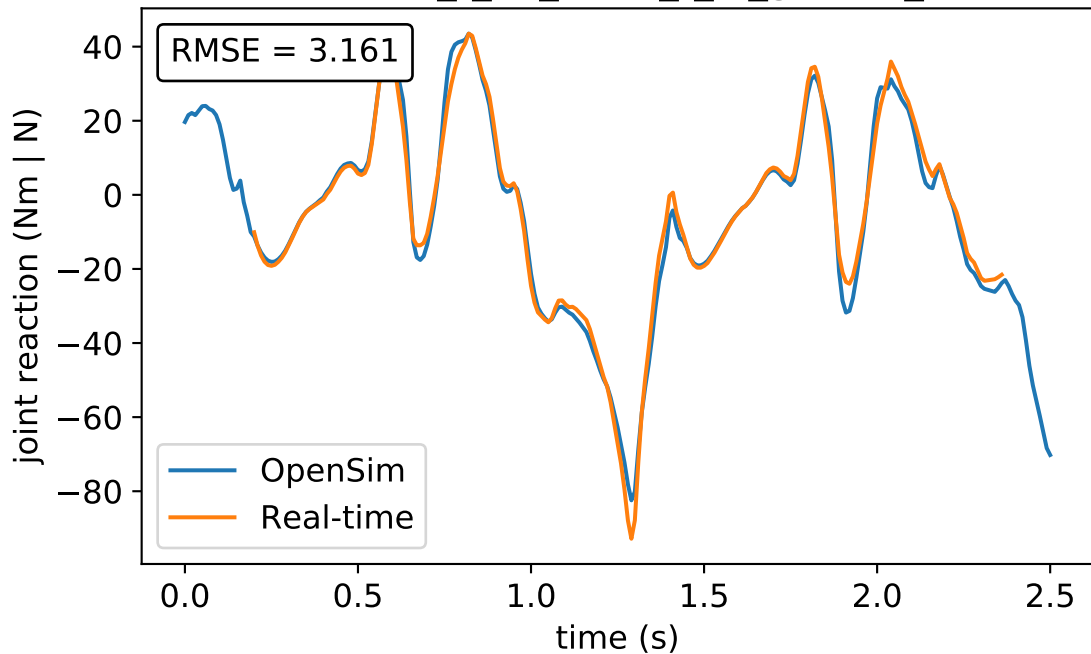
# subtalar\_r\_on\_calcn\_r\_in\_ground\_fx



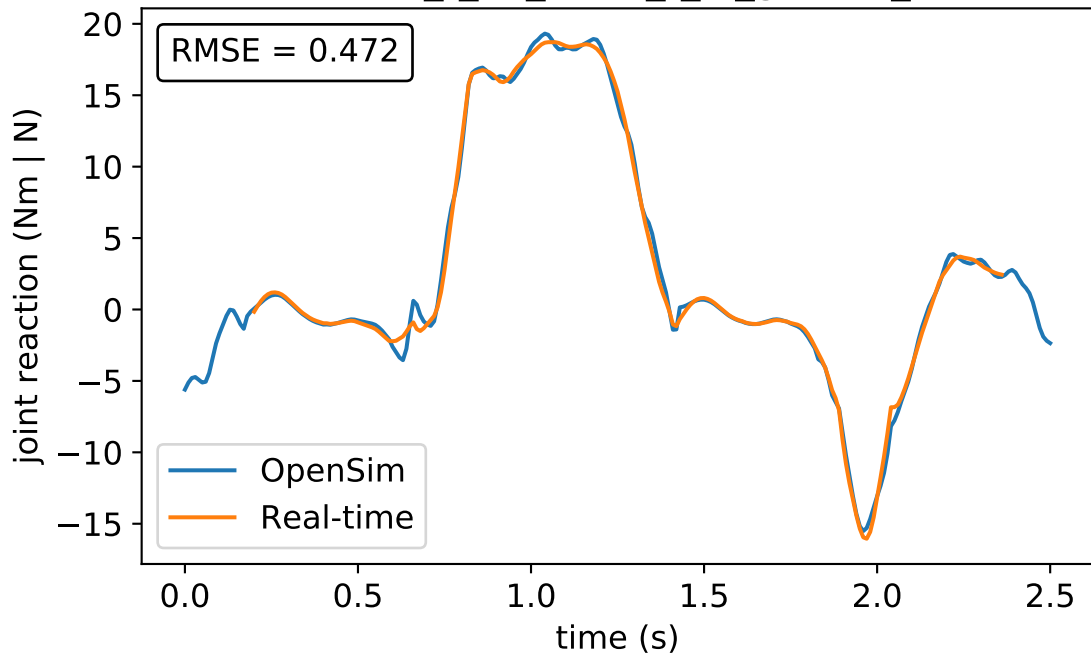
# subtalar\_r\_on\_calcn\_r\_in\_ground\_fy



# subtalar\_r\_on\_calcn\_r\_in\_ground\_fz

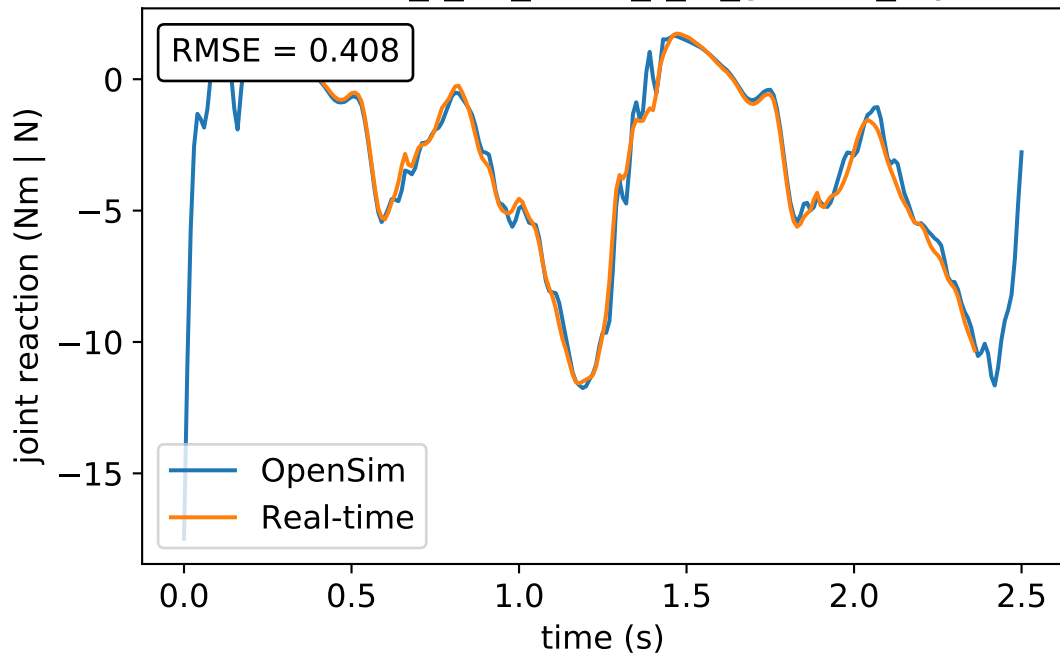


# subtalar\_r\_on\_calcn\_r\_in\_ground\_mx

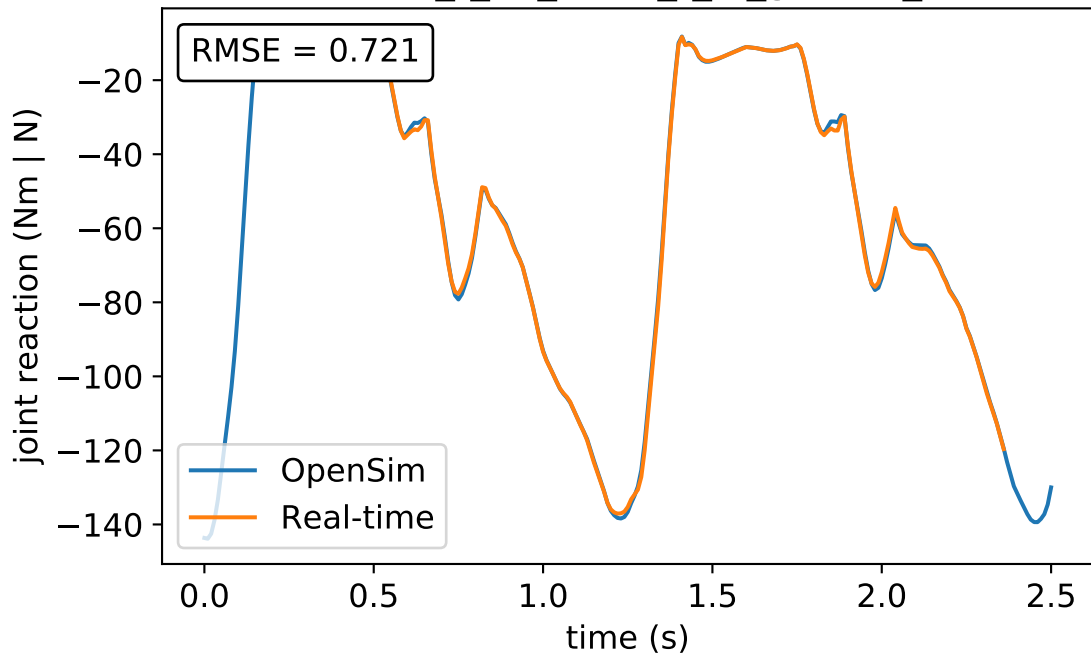




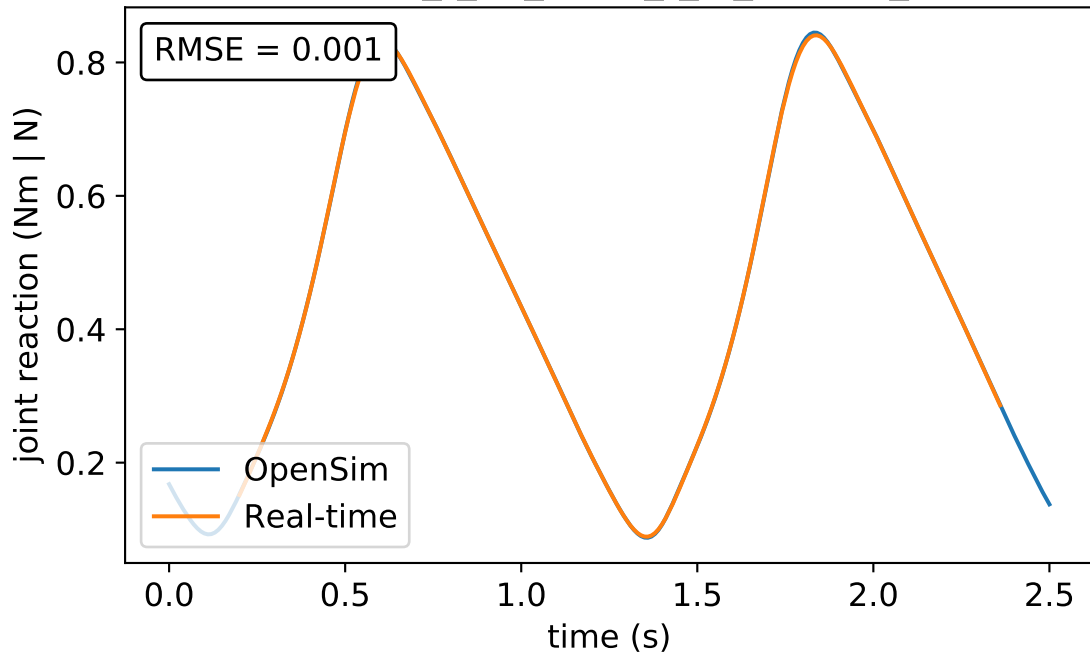
# subtalar\_r\_on\_calcn\_r\_in\_ground\_my



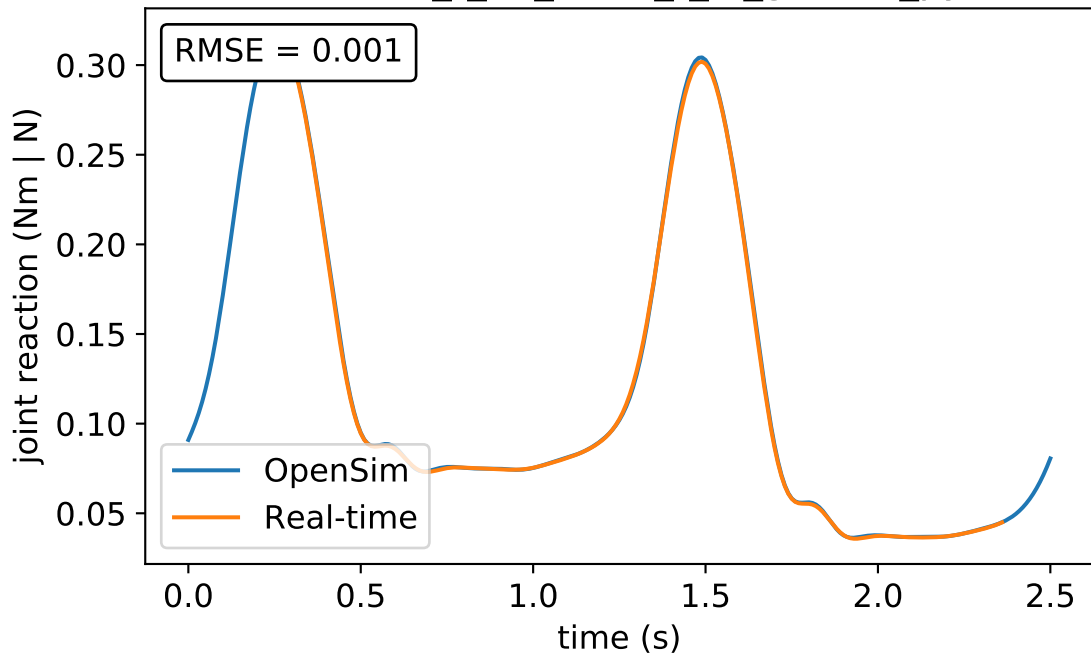
# subtalar\_r\_on\_calcn\_r\_in\_ground\_mz



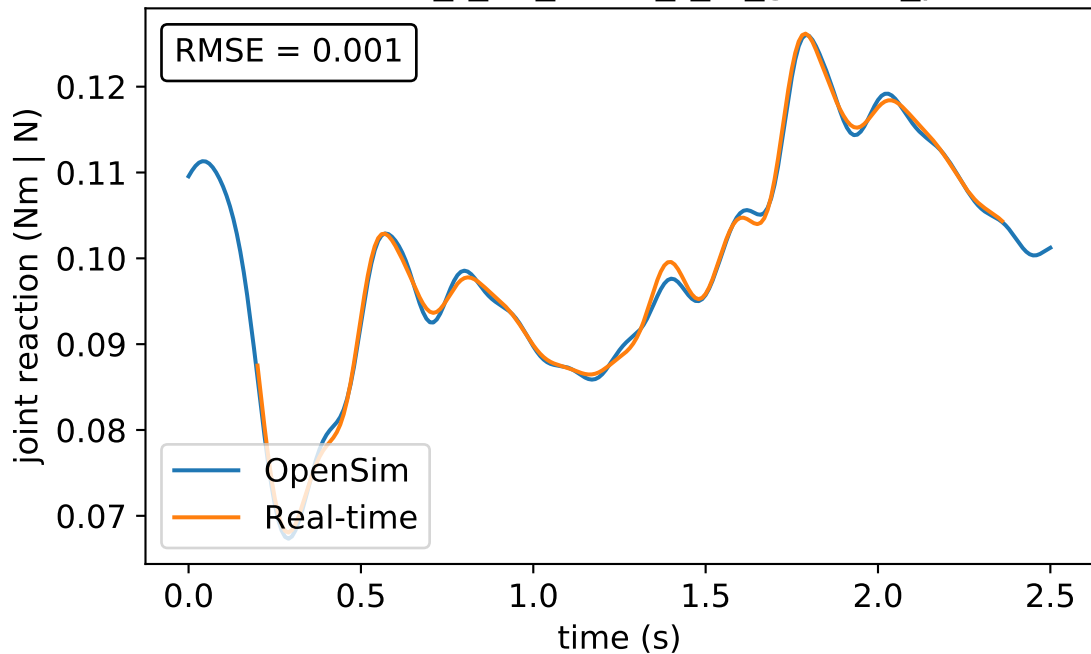
# subtalar\_r\_on\_calcn\_r\_in\_ground\_px



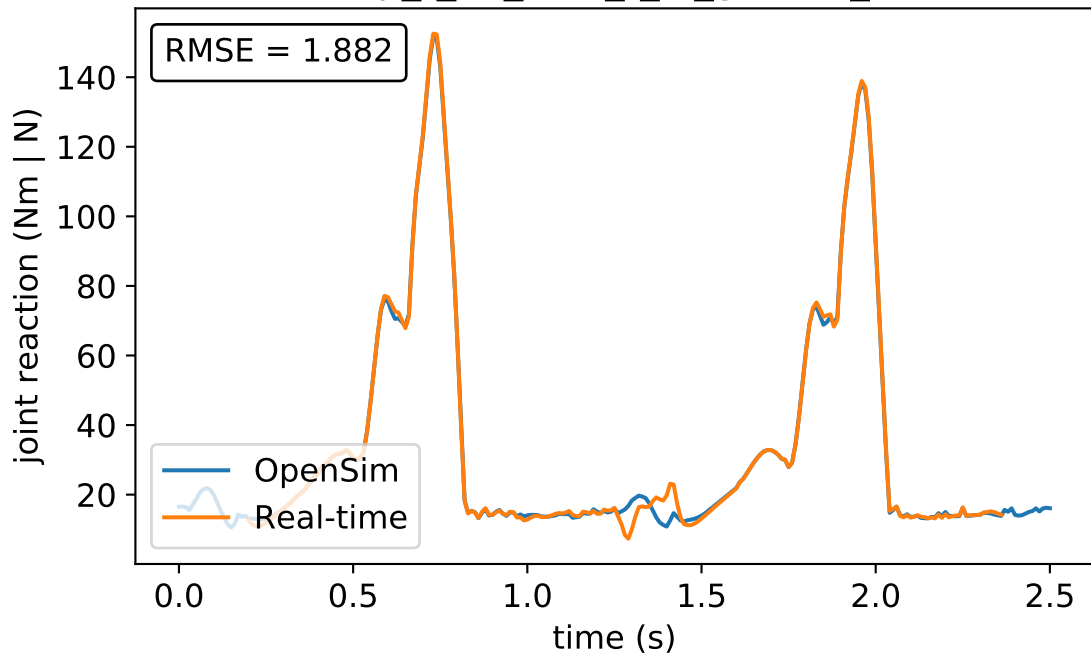
# subtalar\_r\_on\_calcn\_r\_in\_ground\_py



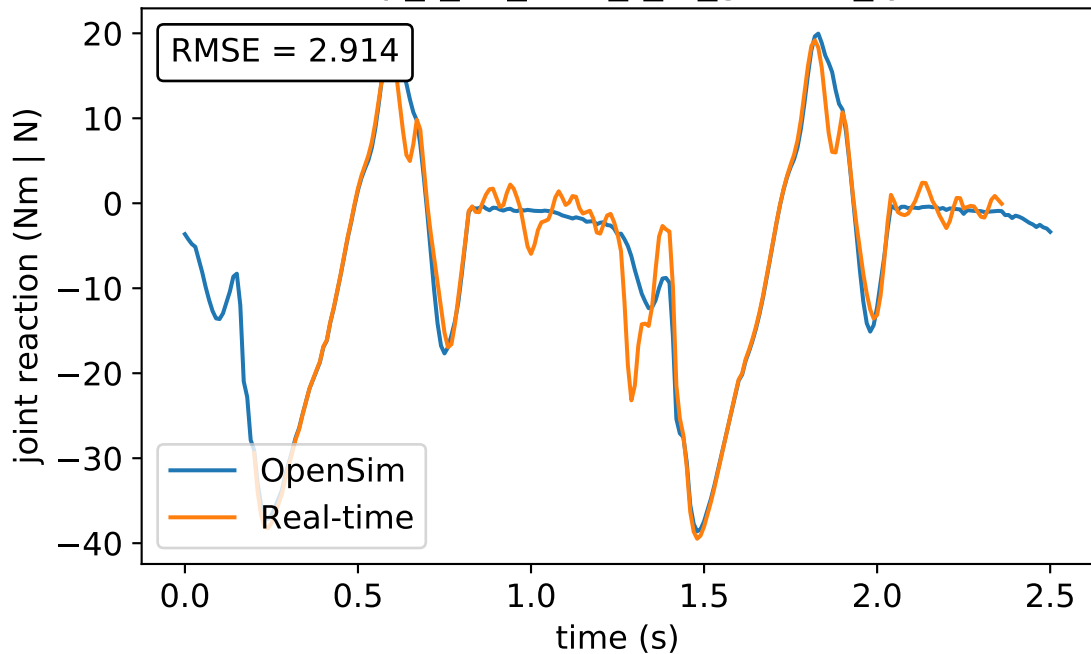
# subtalar\_r\_on\_calcn\_r\_in\_ground\_pz



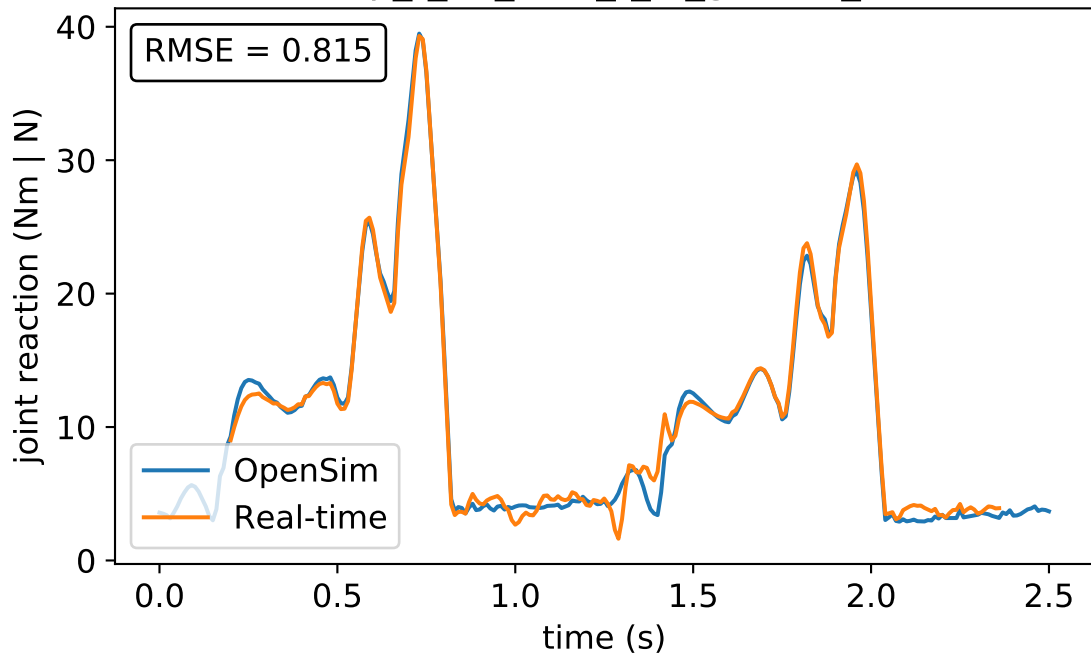
# mtp\_r\_on\_toes\_r\_in\_ground\_fx



# mtp\_r\_on\_toes\_r\_in\_ground\_fy

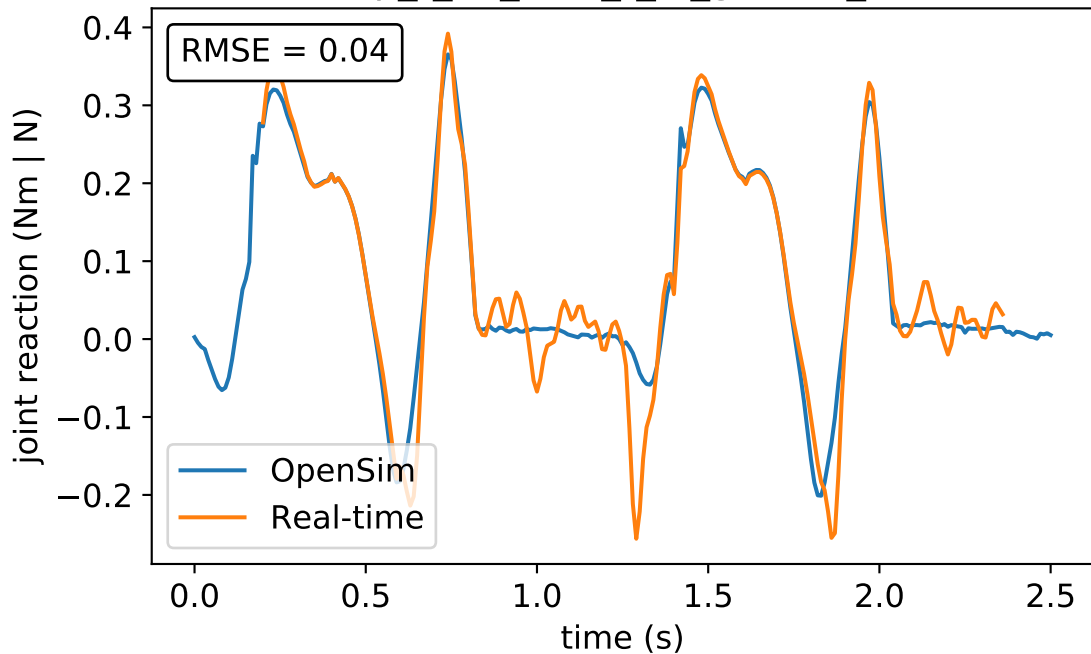


# mtp\_r\_on\_toes\_r\_in\_ground\_fz

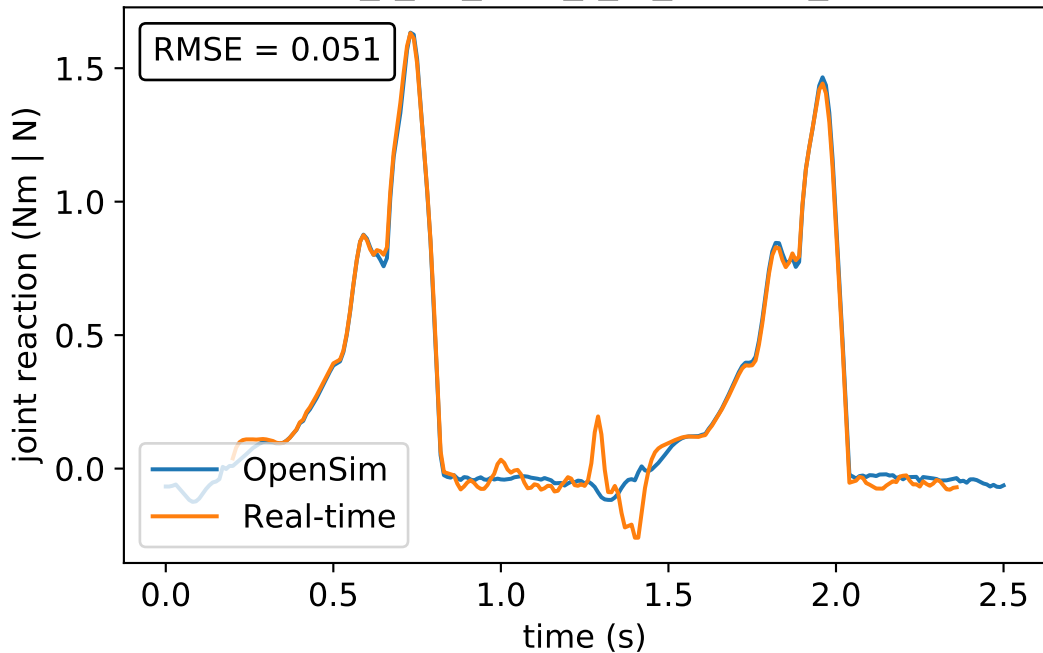




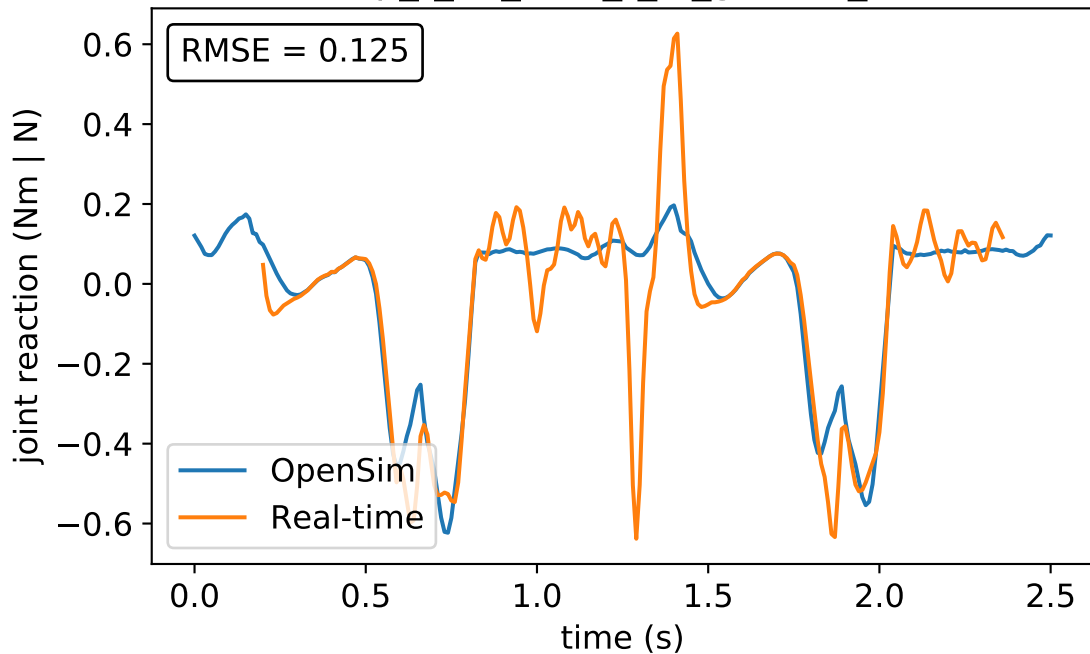
# mtp\_r\_on\_toes\_r\_in\_ground\_mx



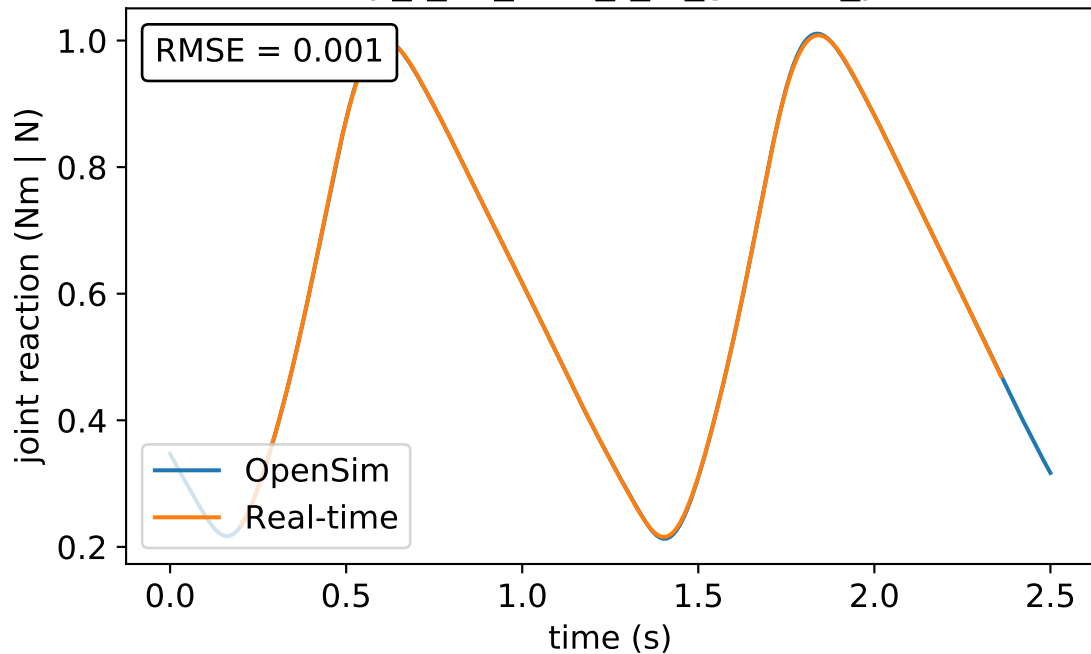
# mtp\_r\_on\_toes\_r\_in\_ground\_my



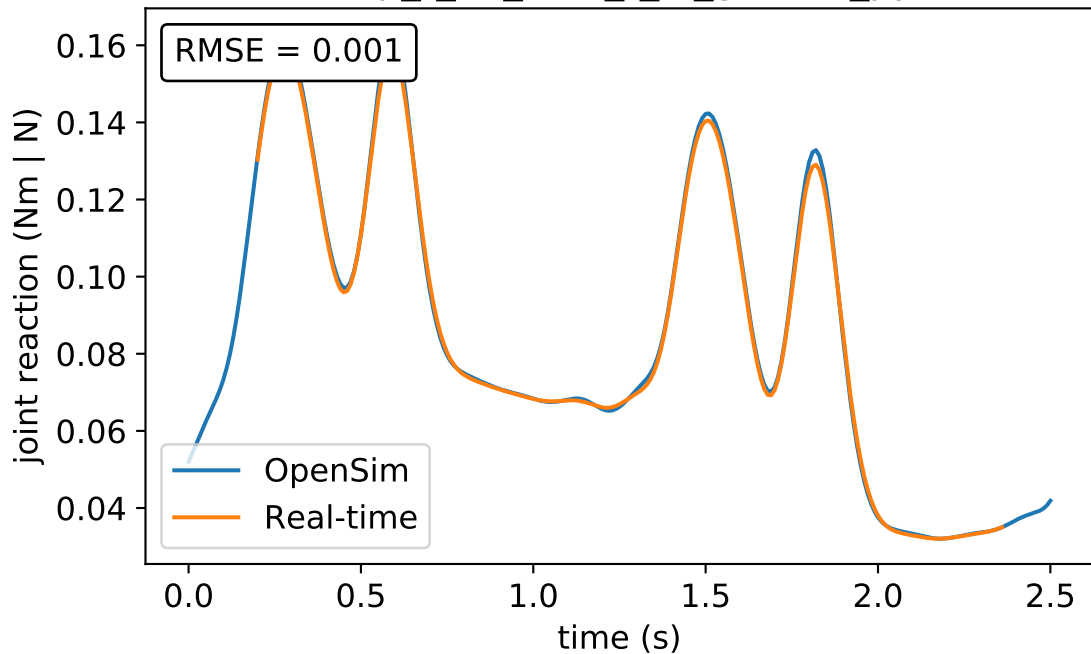
# mtp\_r\_on\_toes\_r\_in\_ground\_mz



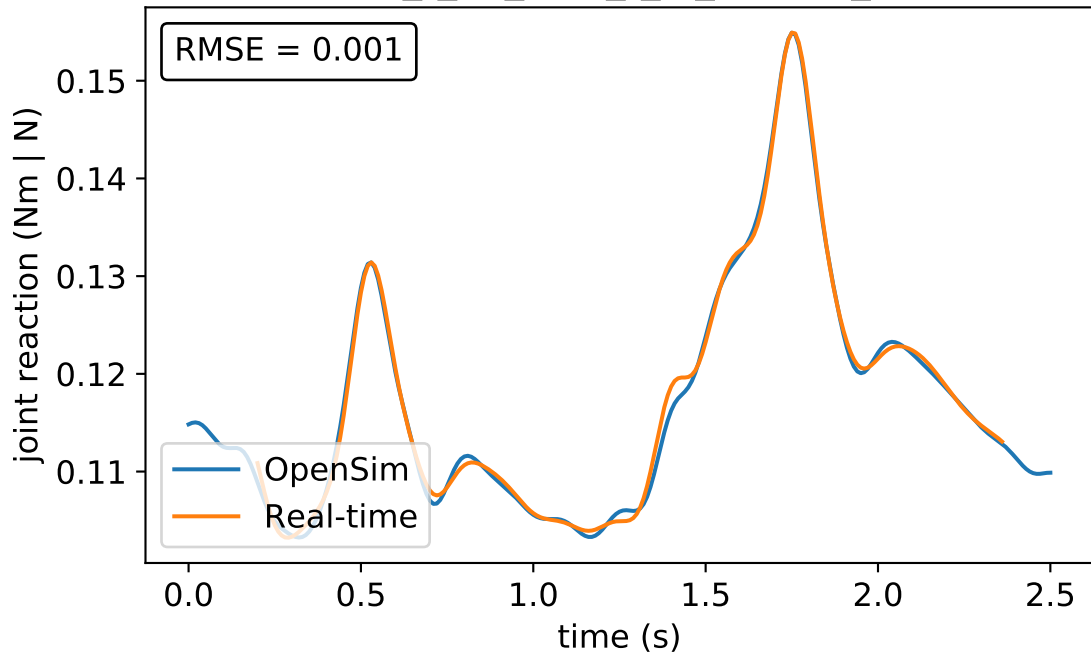
# mtp\_r\_on\_toes\_r\_in\_ground\_px



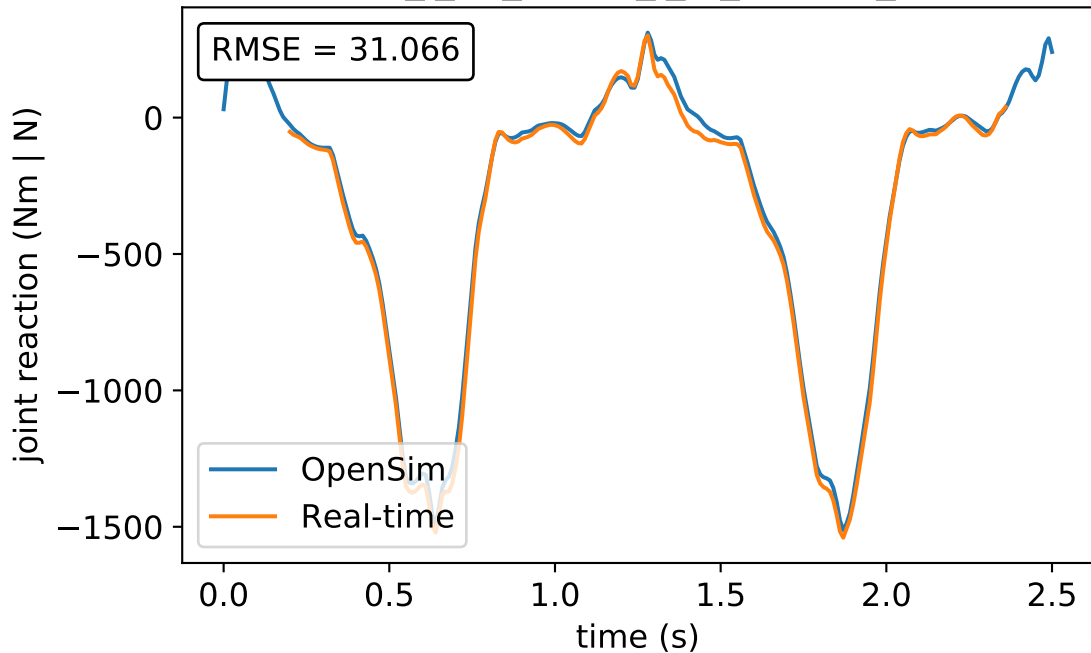
# mtp\_r\_on\_toes\_r\_in\_ground\_py



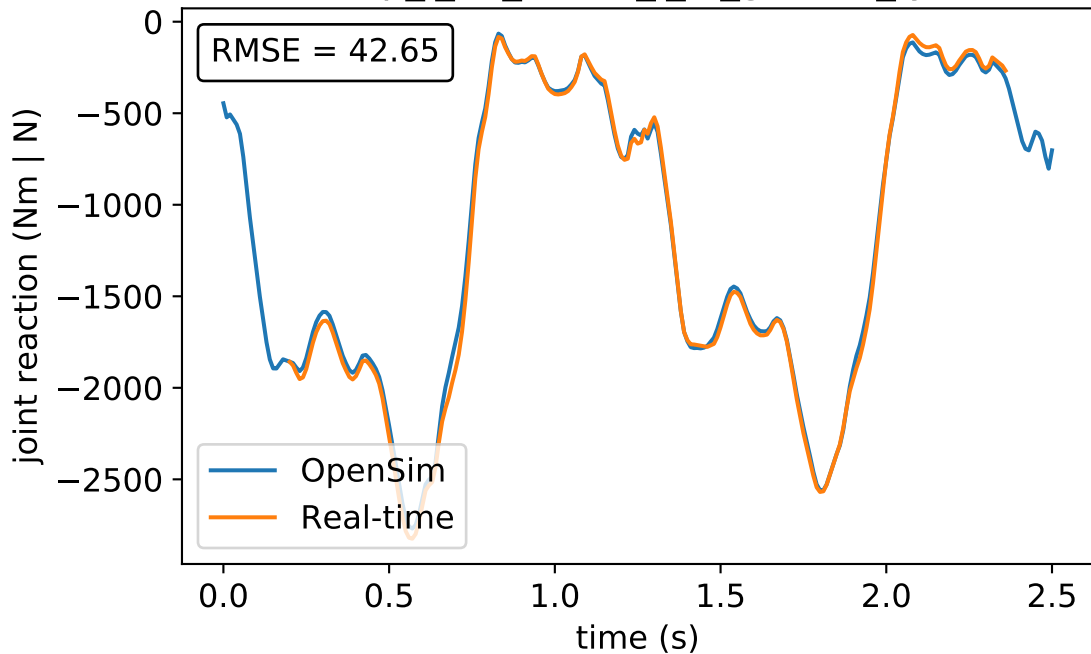
# mtp\_r\_on\_toes\_r\_in\_ground\_pz



# hip\_l\_on\_femur\_l\_in\_ground\_fx

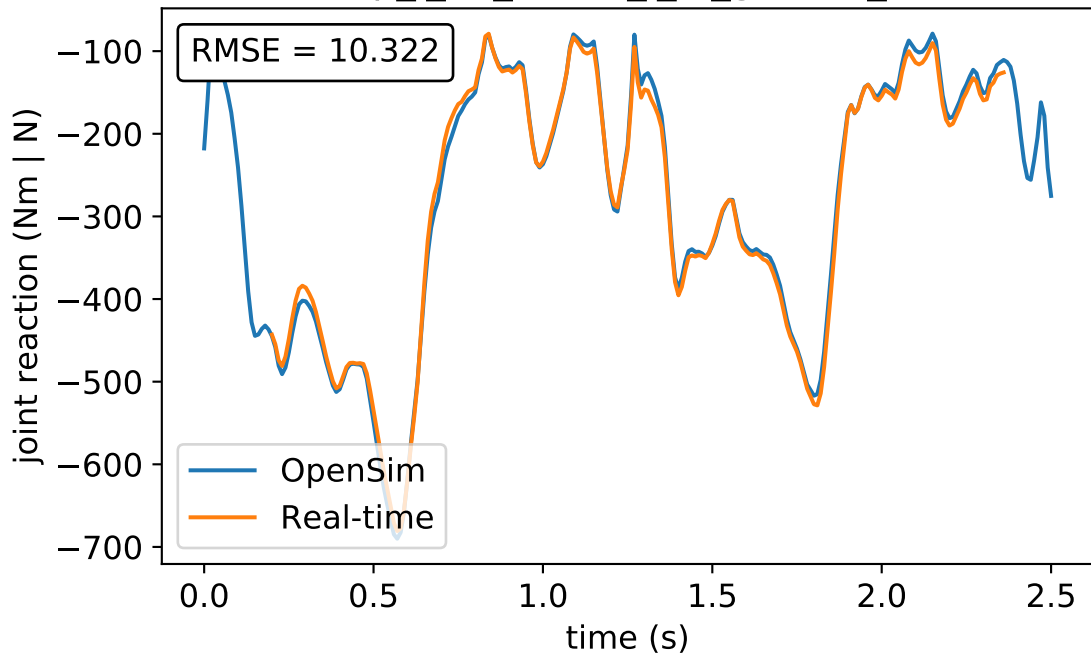


# hip\_l\_on\_femur\_l\_in\_ground\_fy

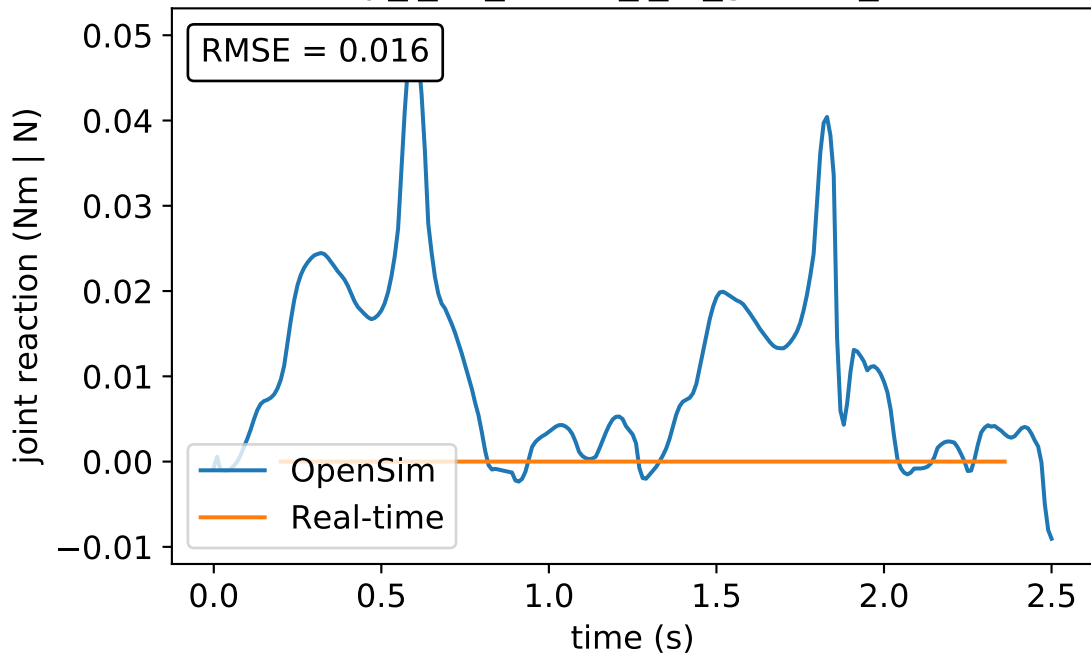




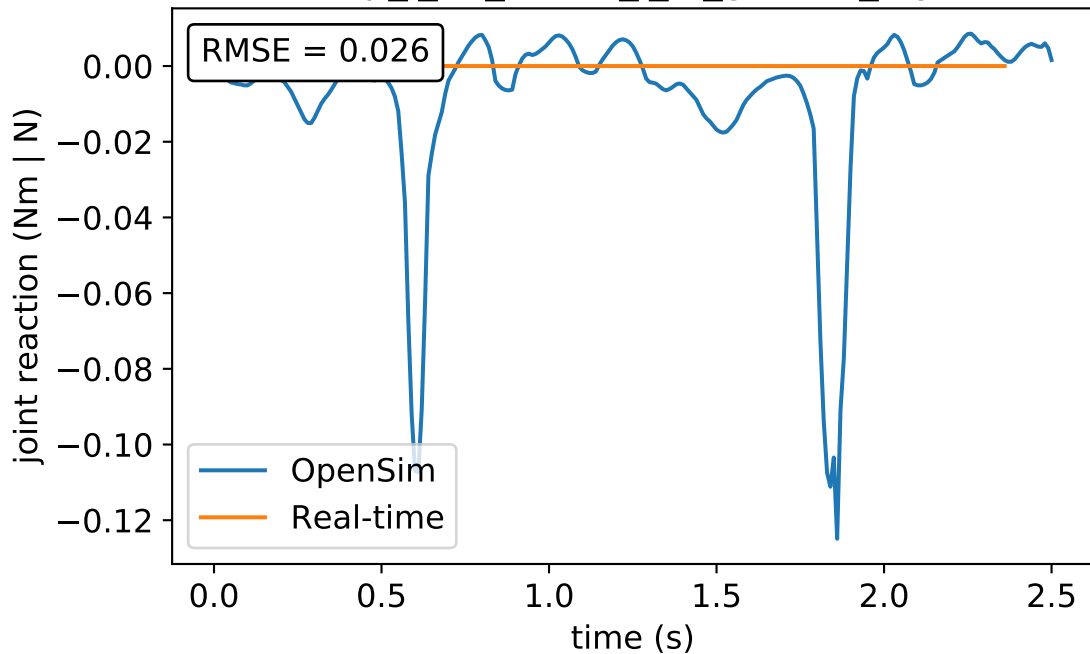
# hip\_l\_on\_femur\_l\_in\_ground\_fz



# hip\_l\_on\_femur\_l\_in\_ground\_mx



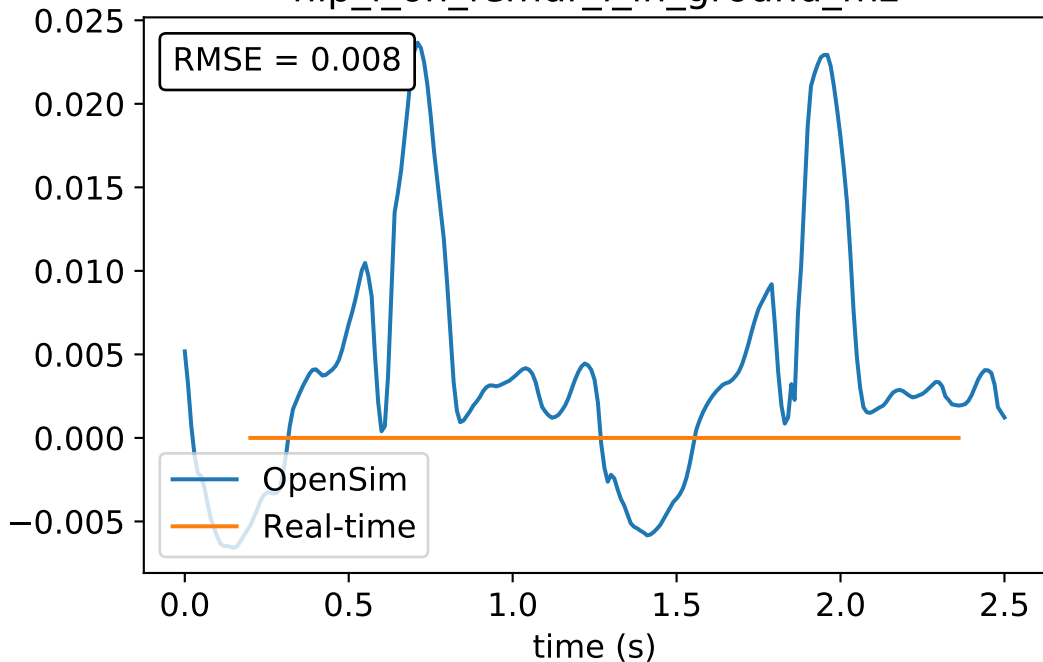
# hip\_l\_on\_femur\_l\_in\_ground\_my



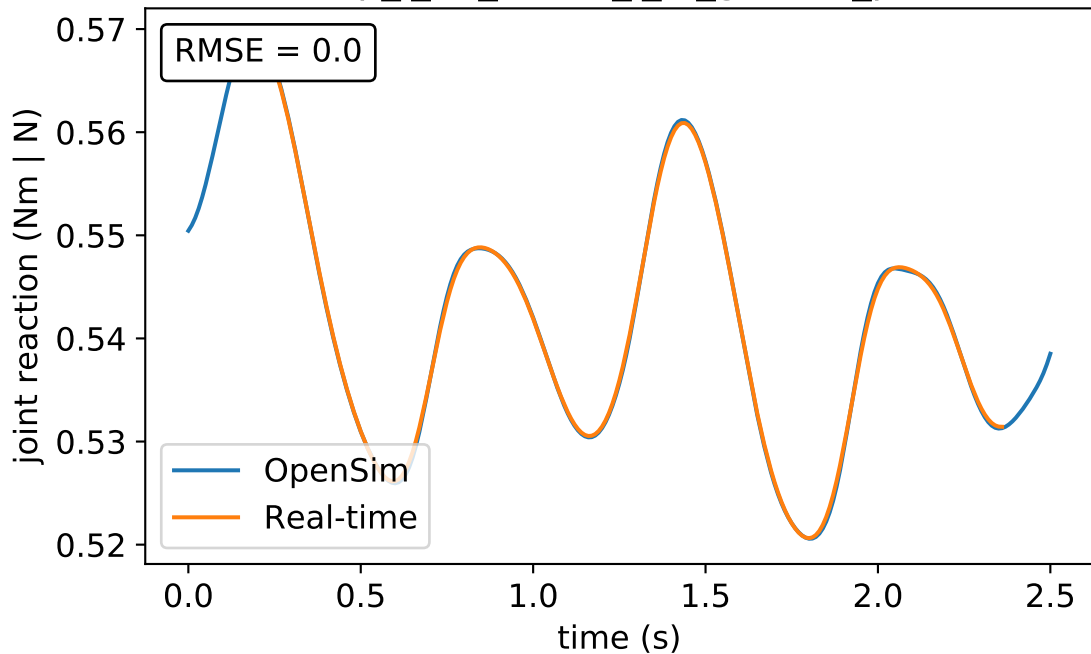
# hip\_l\_on\_femur\_l\_in\_ground\_mz

RMSE = 0.008

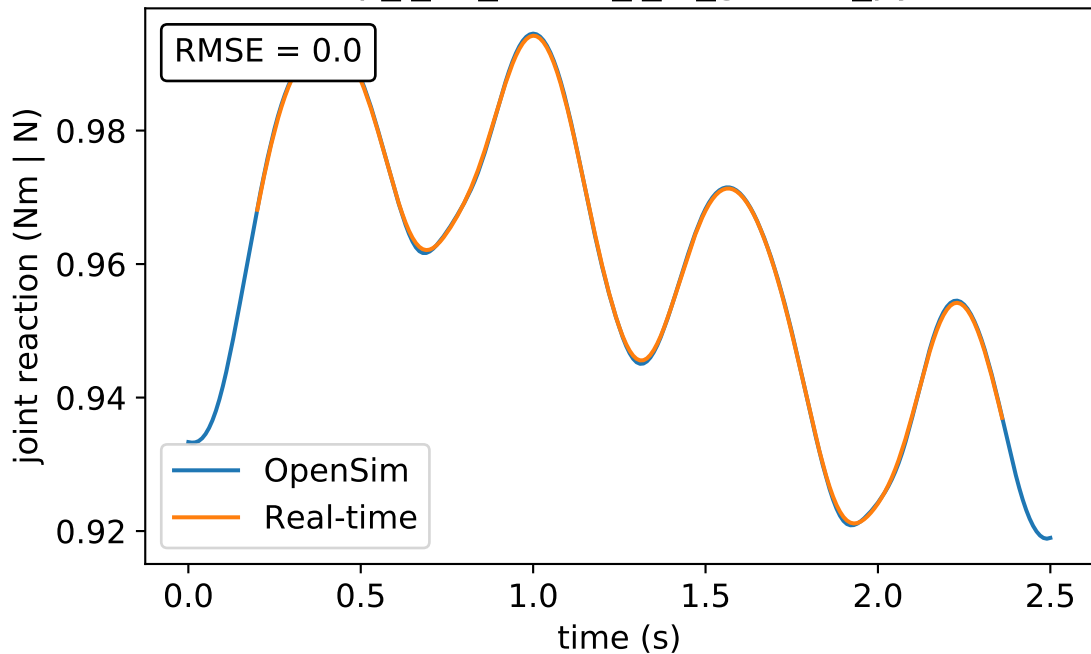
joint reaction (Nm | N)



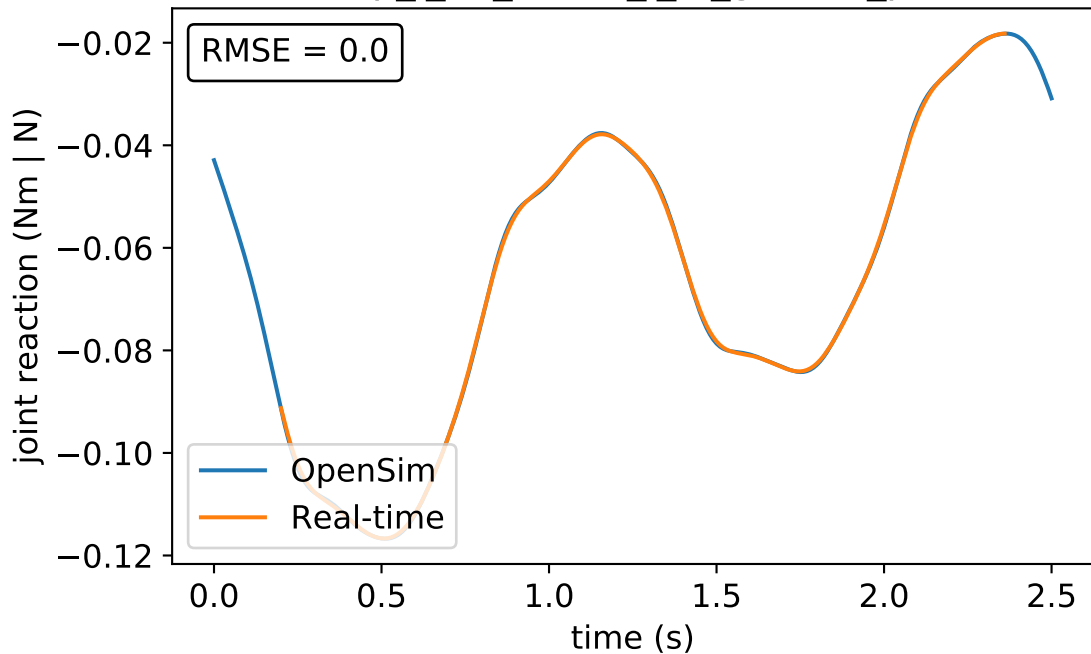
# hip\_l\_on\_femur\_l\_in\_ground\_px



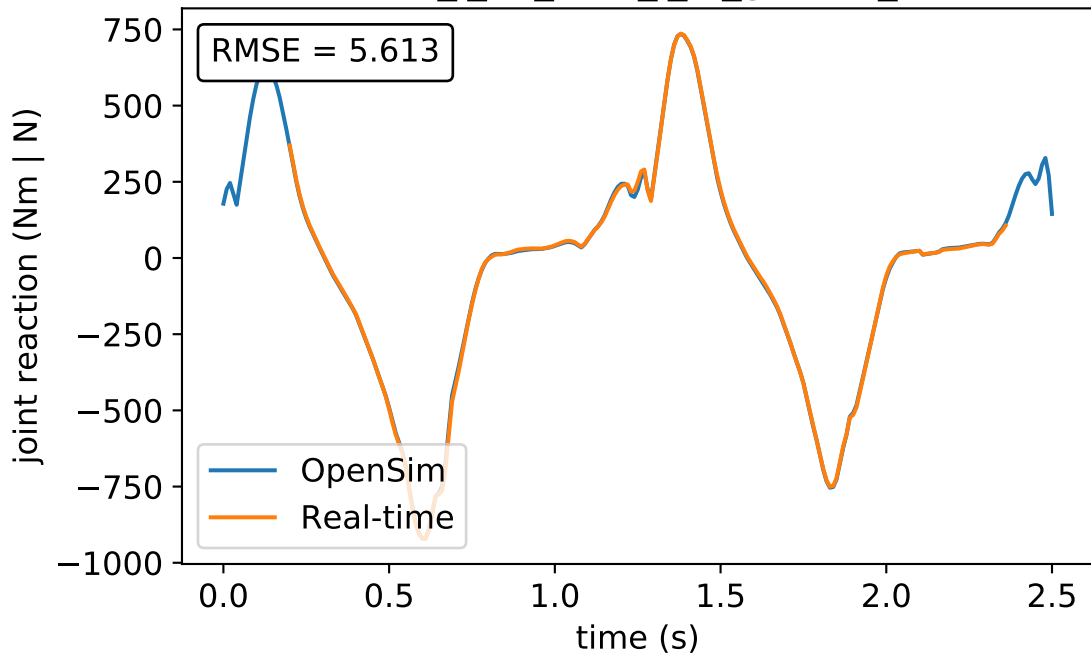
# hip\_l\_on\_femur\_l\_in\_ground\_py



# hip\_l\_on\_femur\_l\_in\_ground\_pz

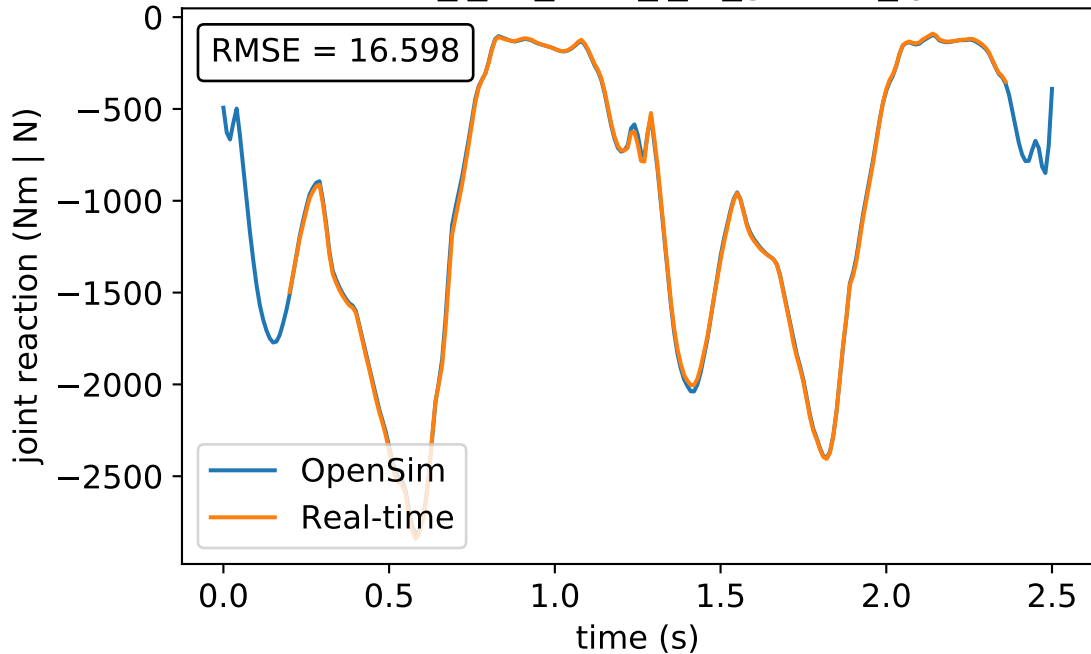


# knee\_l\_on\_tibia\_l\_in\_ground\_fx

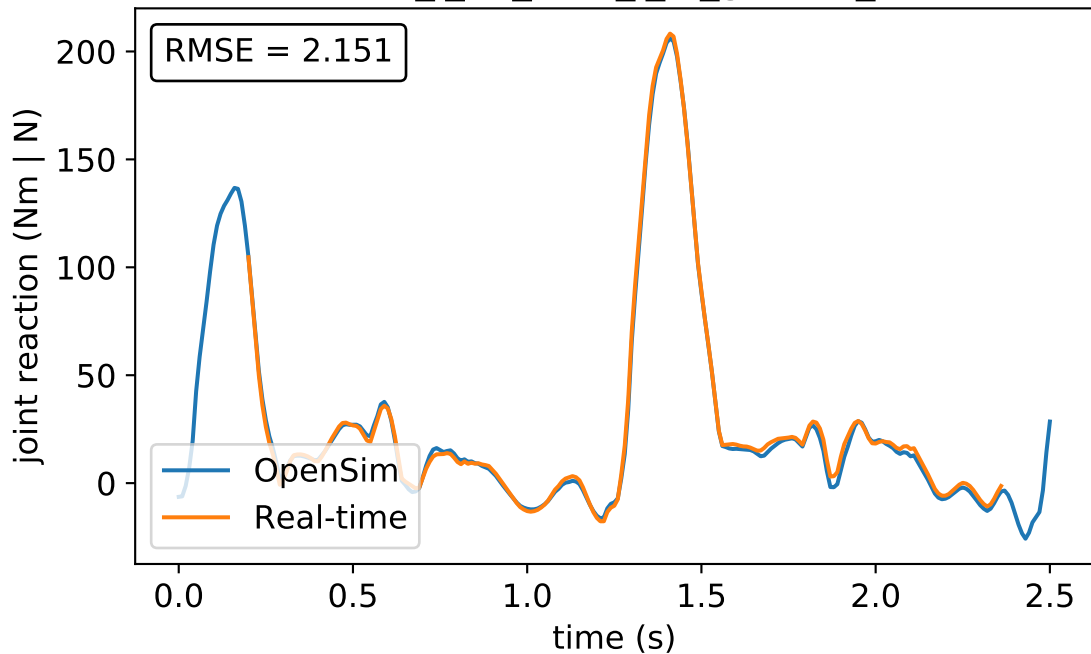




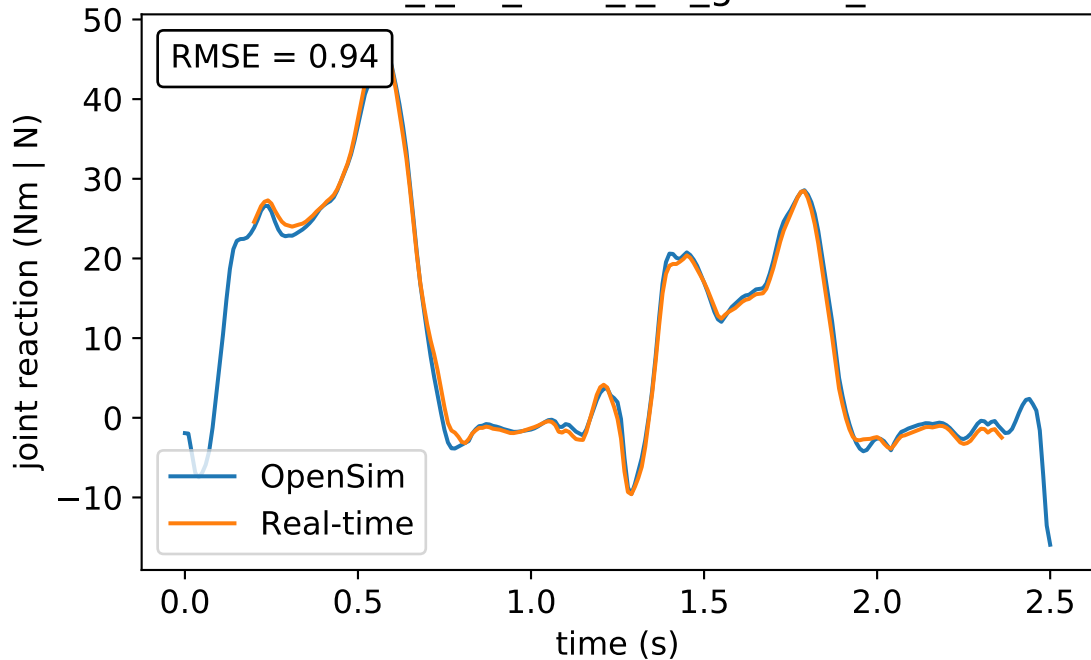
# knee\_l\_on\_tibia\_l\_in\_ground\_fy



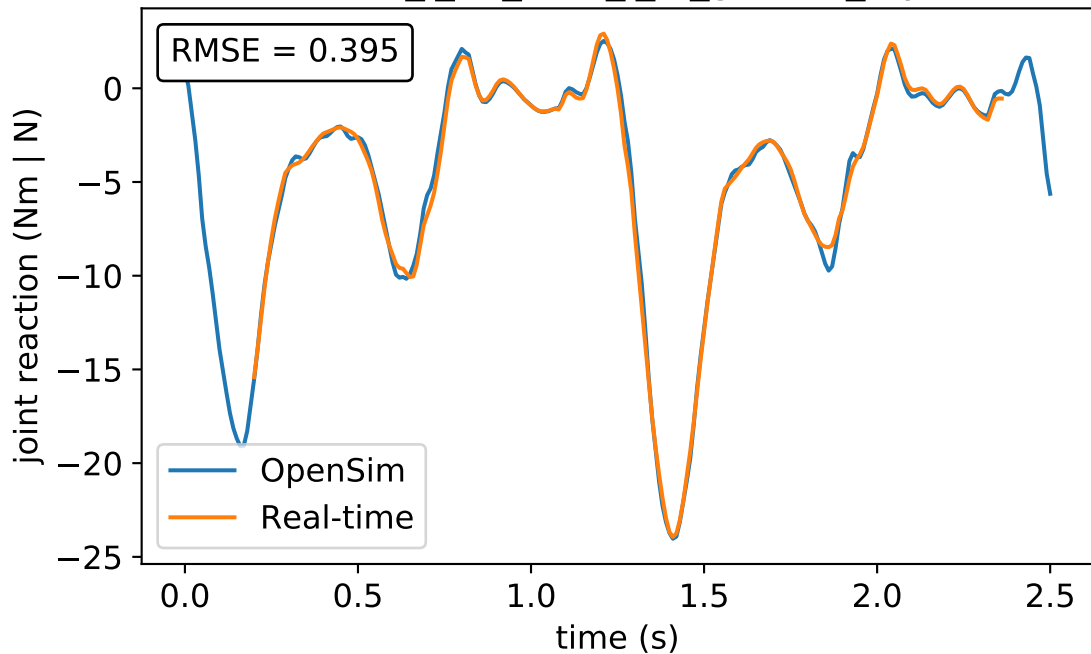
# knee\_l\_on\_tibia\_l\_in\_ground\_fz



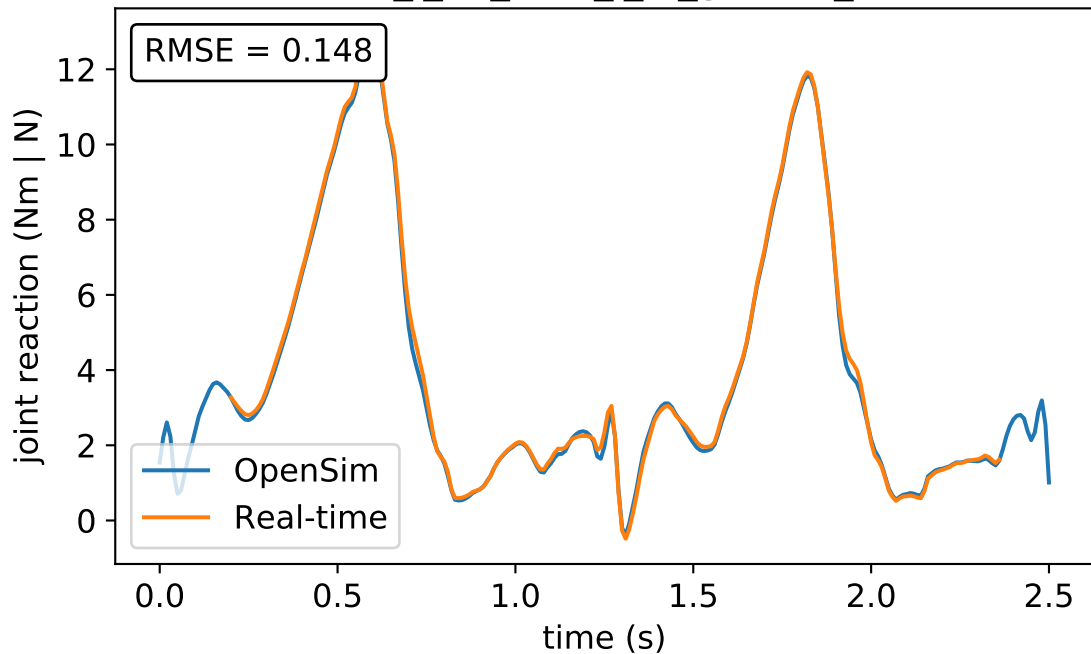
# knee\_l\_on\_tibia\_l\_in\_ground\_mx



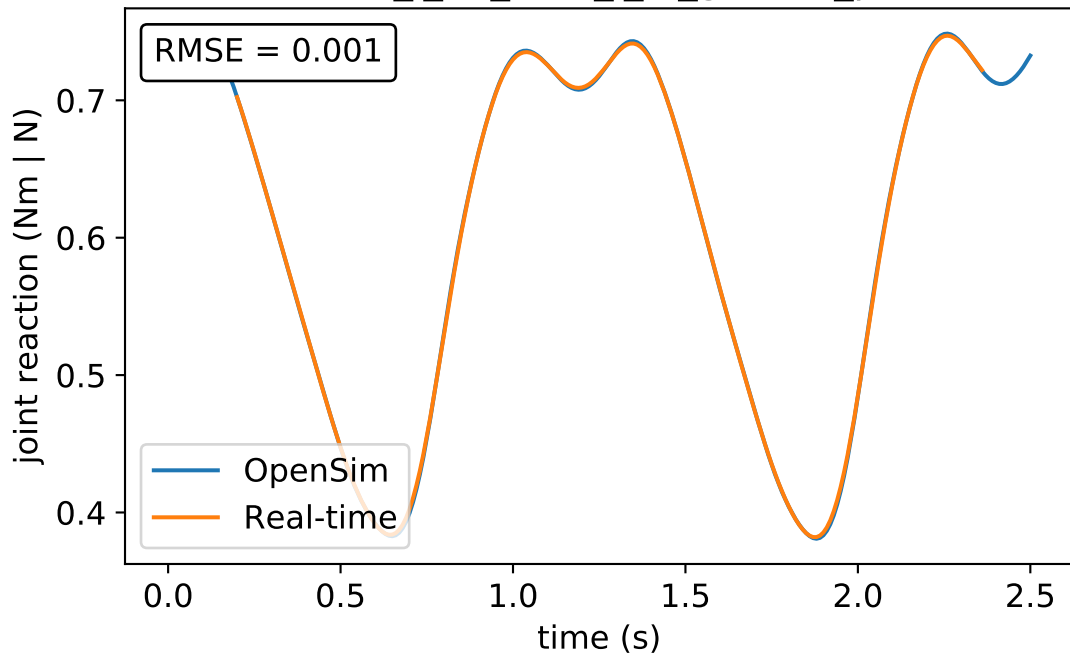
# knee\_l\_on\_tibia\_l\_in\_ground\_my



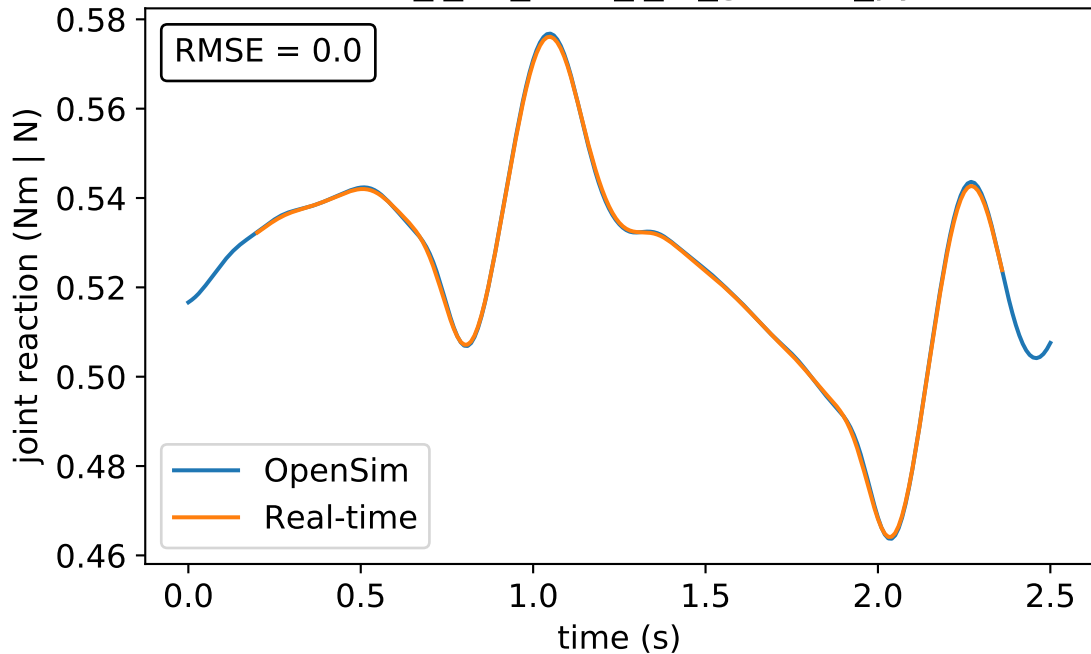
# knee\_l\_on\_tibia\_l\_in\_ground\_mz



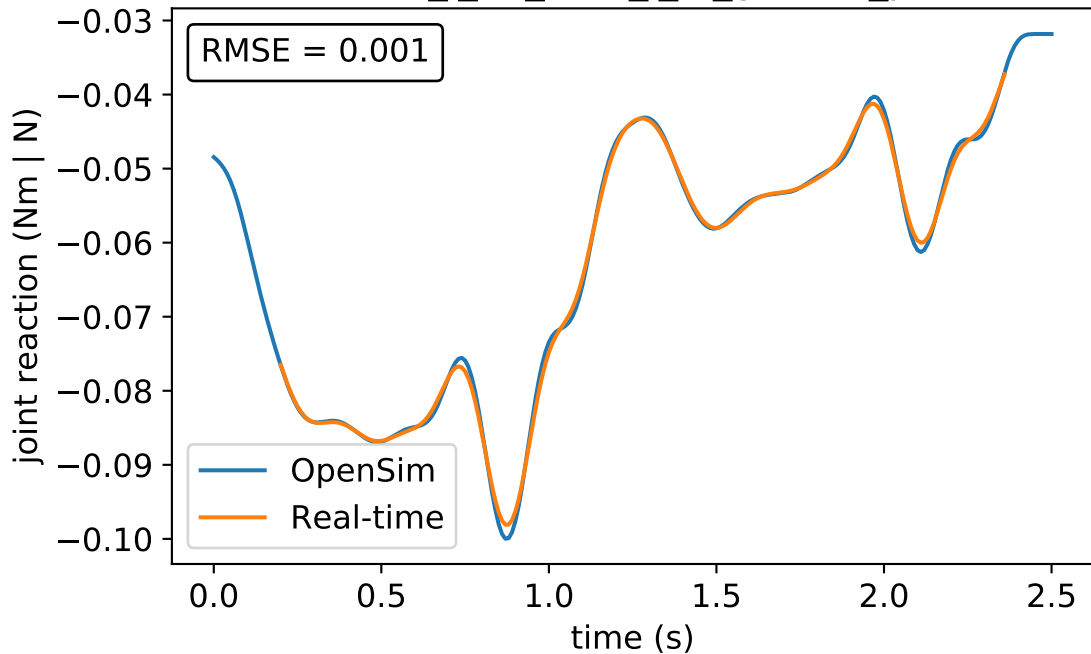
# knee\_l\_on\_tibia\_l\_in\_ground\_px



# knee\_l\_on\_tibia\_l\_in\_ground\_py

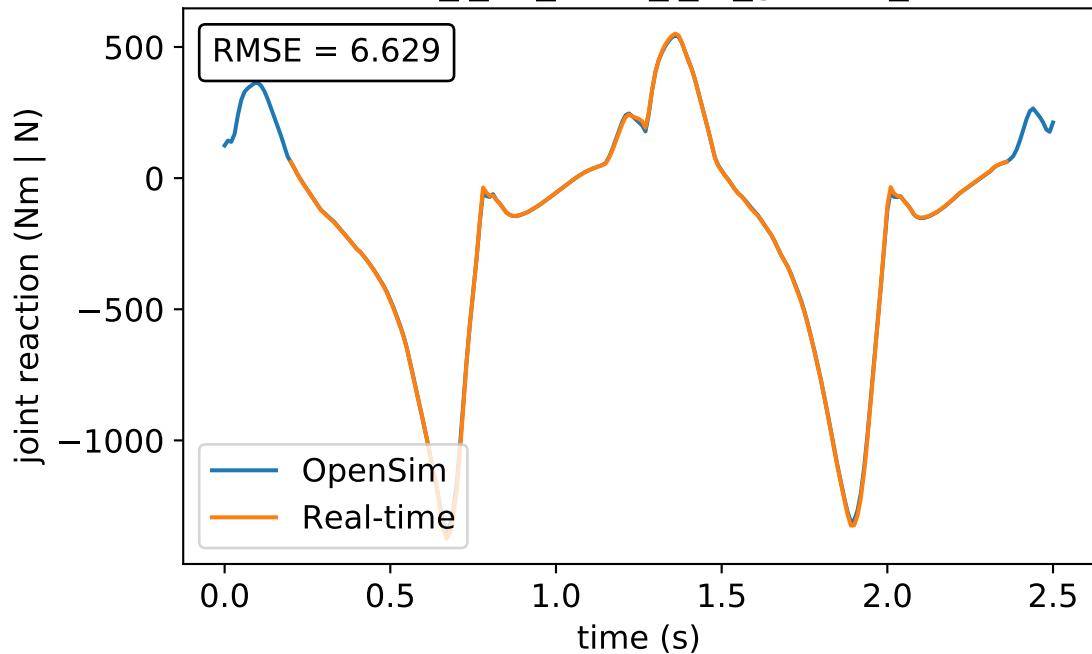


# knee\_l\_on\_tibia\_l\_in\_ground\_pz

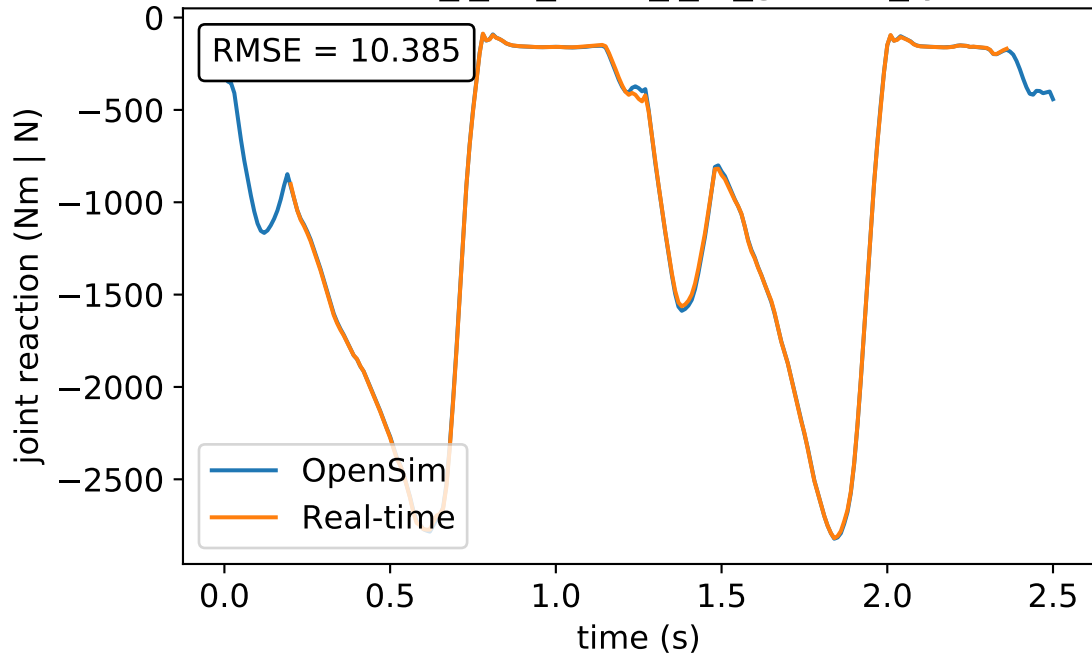




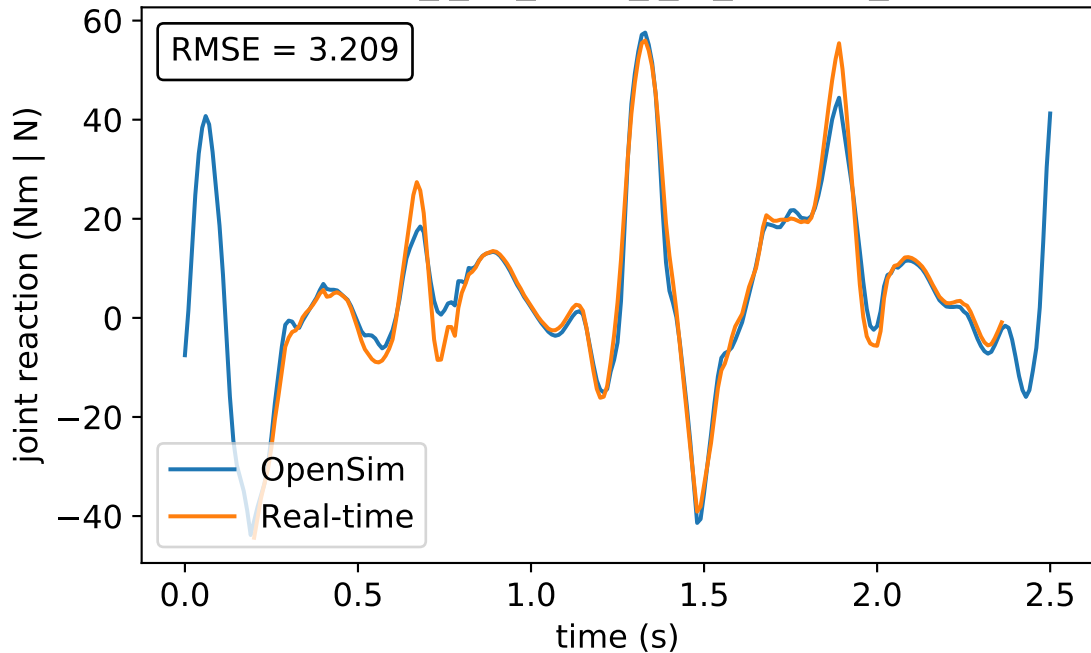
# ankle\_l\_on\_talus\_l\_in\_ground\_fx



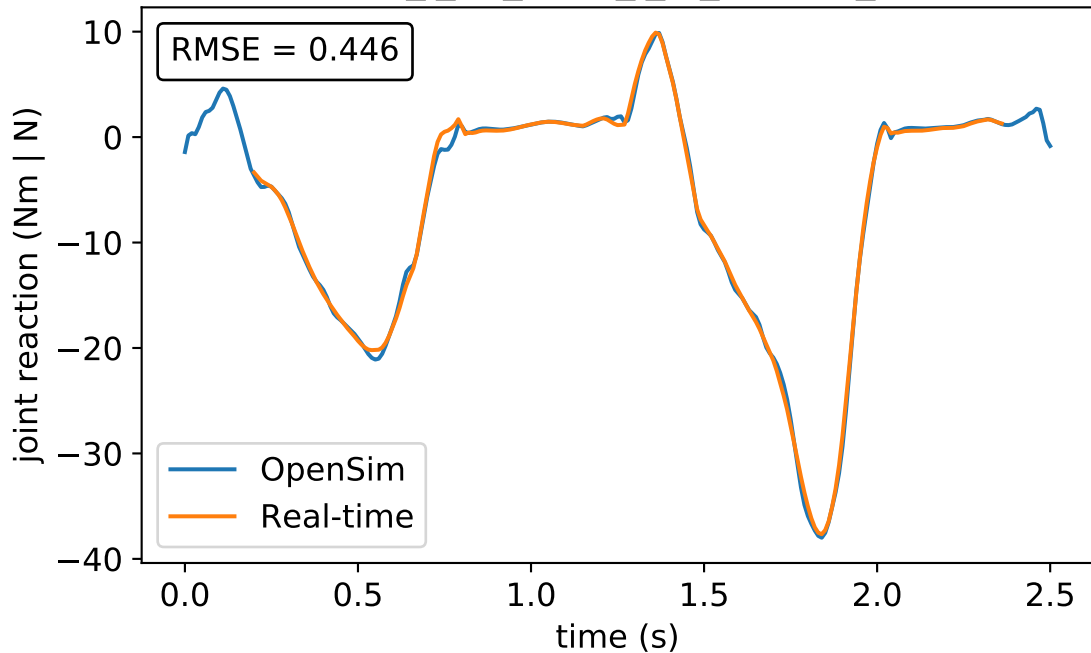
# ankle\_l\_on\_talus\_l\_in\_ground\_fy



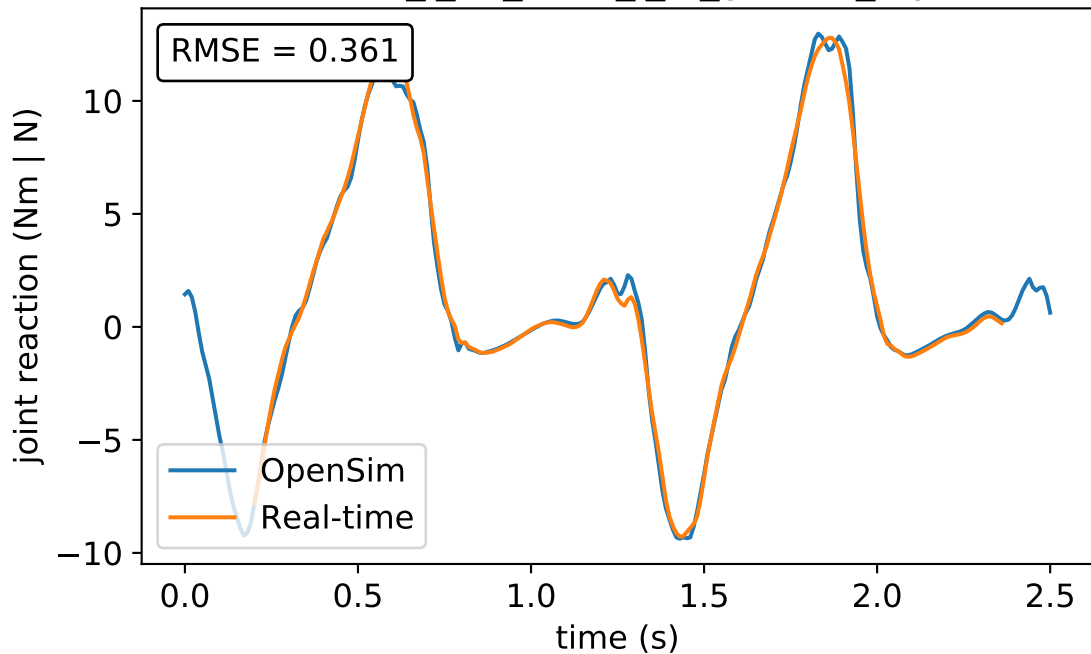
# ankle\_l\_on\_talus\_l\_in\_ground\_fz



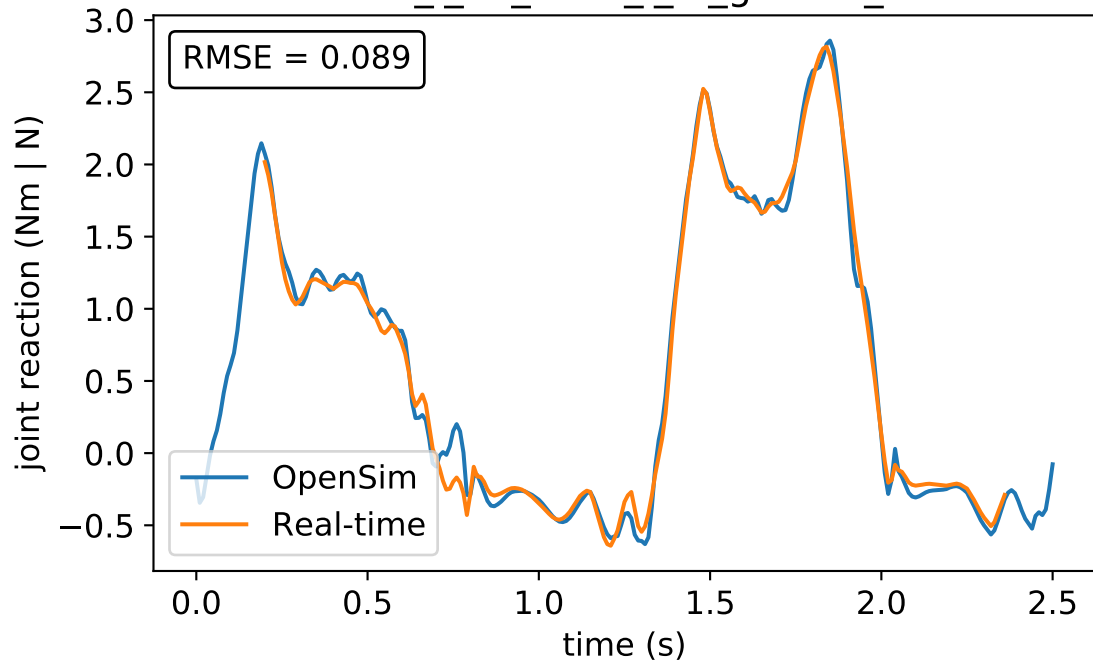
# ankle\_l\_on\_talus\_l\_in\_ground\_mx



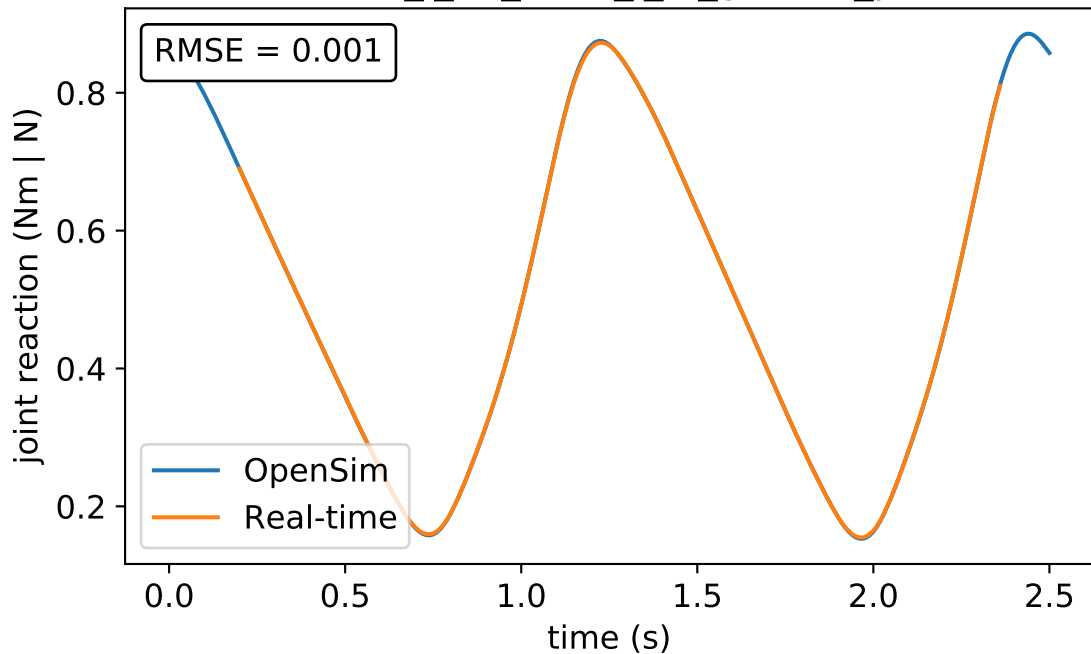
# ankle\_l\_on\_talus\_l\_in\_ground\_my



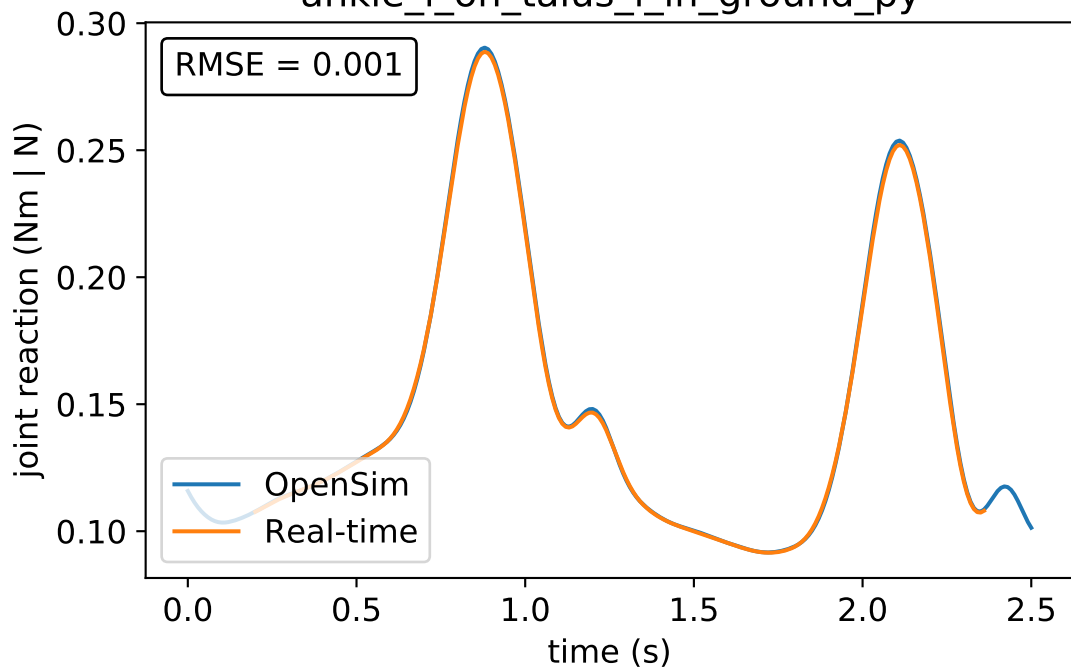
# ankle\_l\_on\_talus\_l\_in\_ground\_mz



# ankle\_l\_on\_talus\_l\_in\_ground\_px

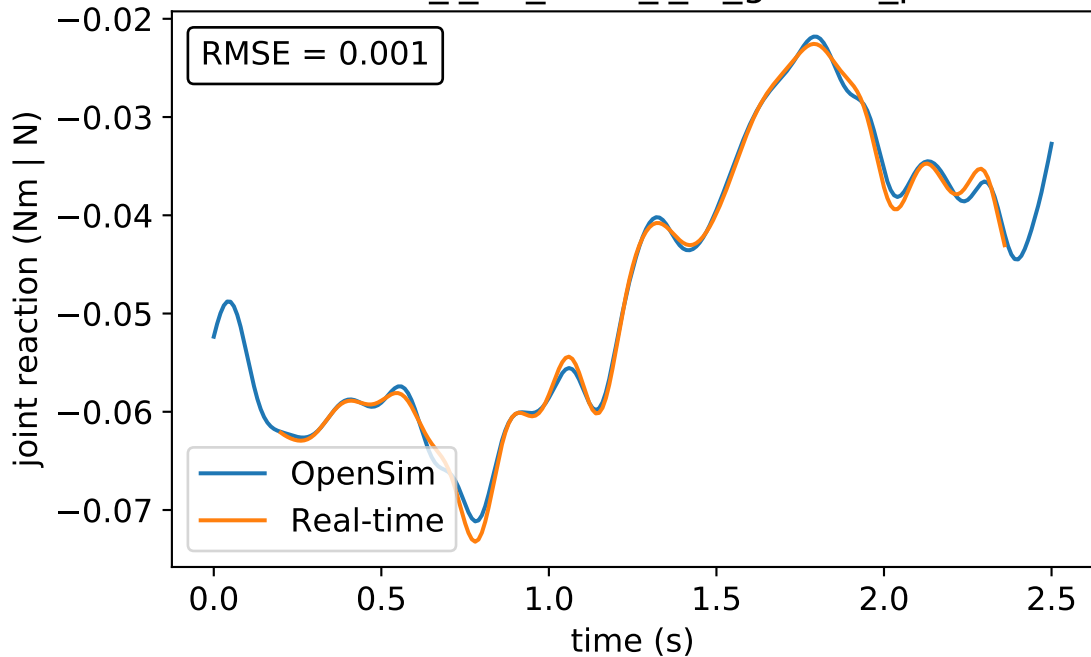


ankle\_l\_on\_talus\_l\_in\_ground\_py

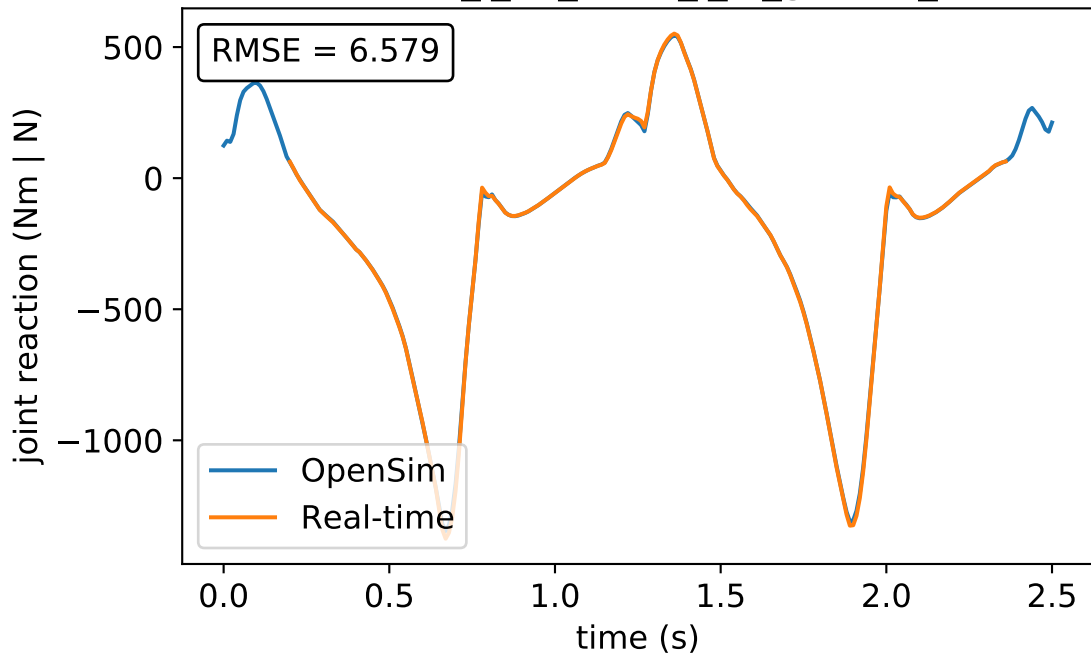




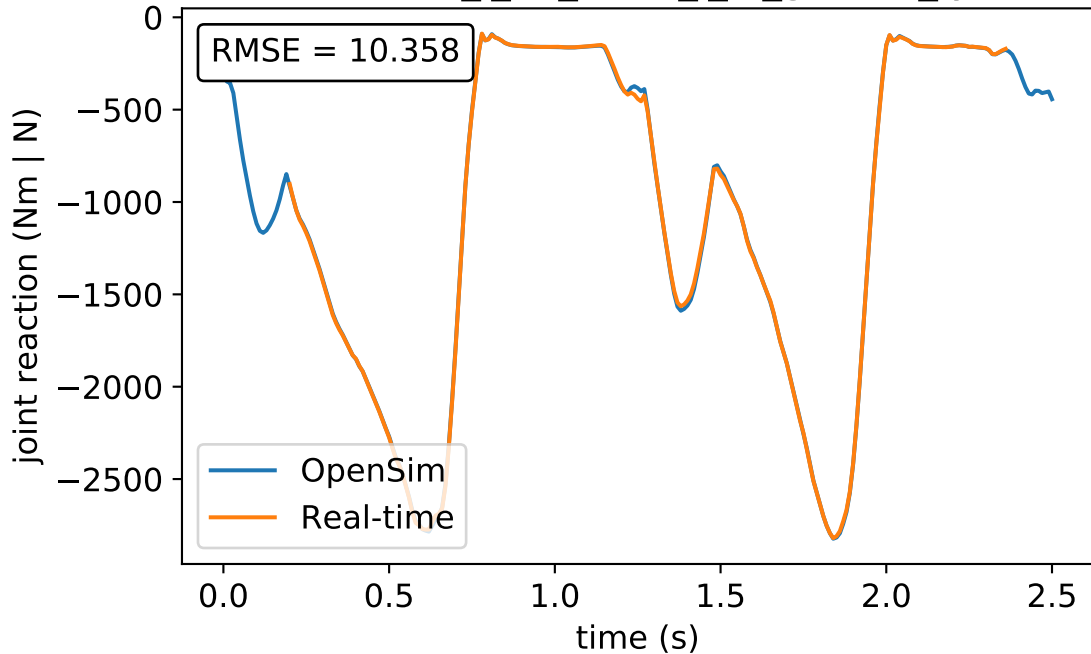
# ankle\_l\_on\_talus\_l\_in\_ground\_pz



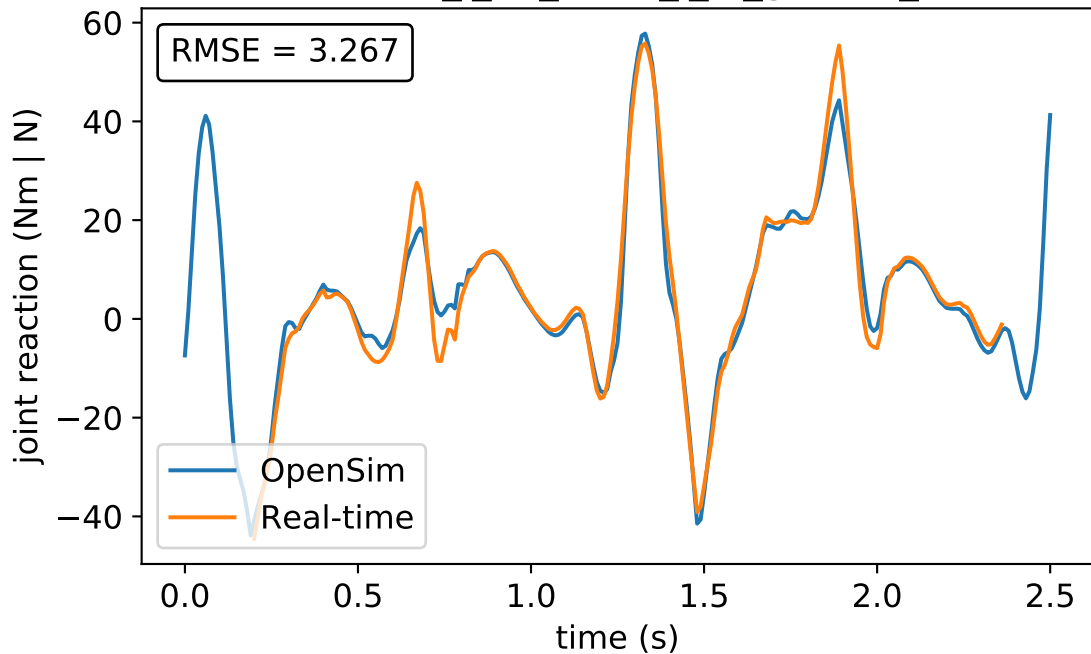
# subtalar\_l\_on\_calcn\_l\_in\_ground\_fx



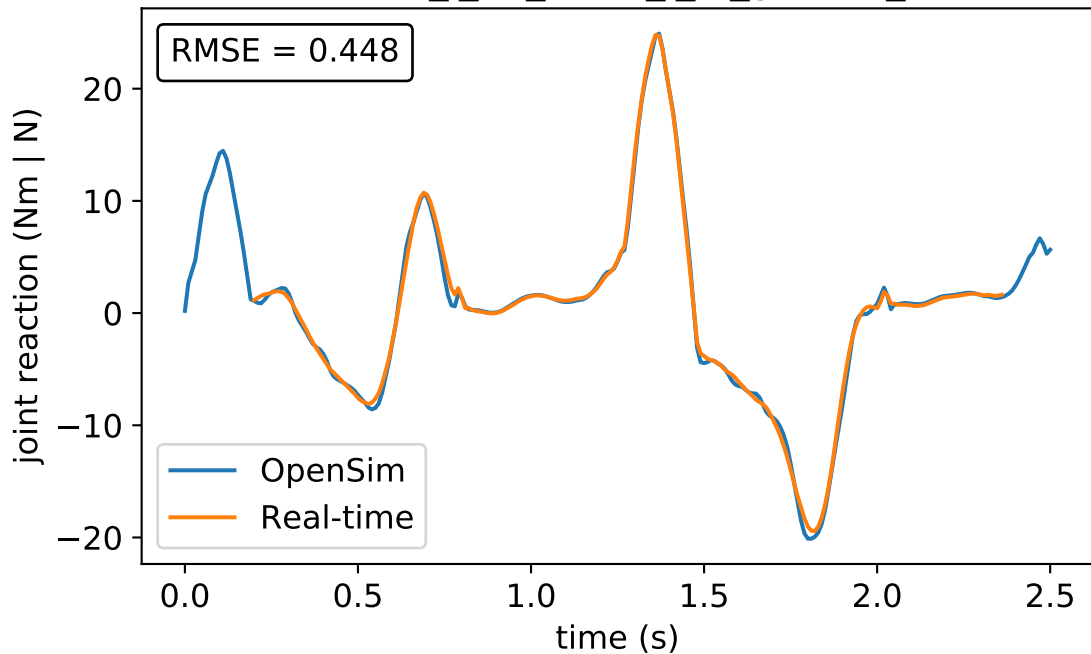
# subtalar\_l\_on\_calcn\_l\_in\_ground\_fy



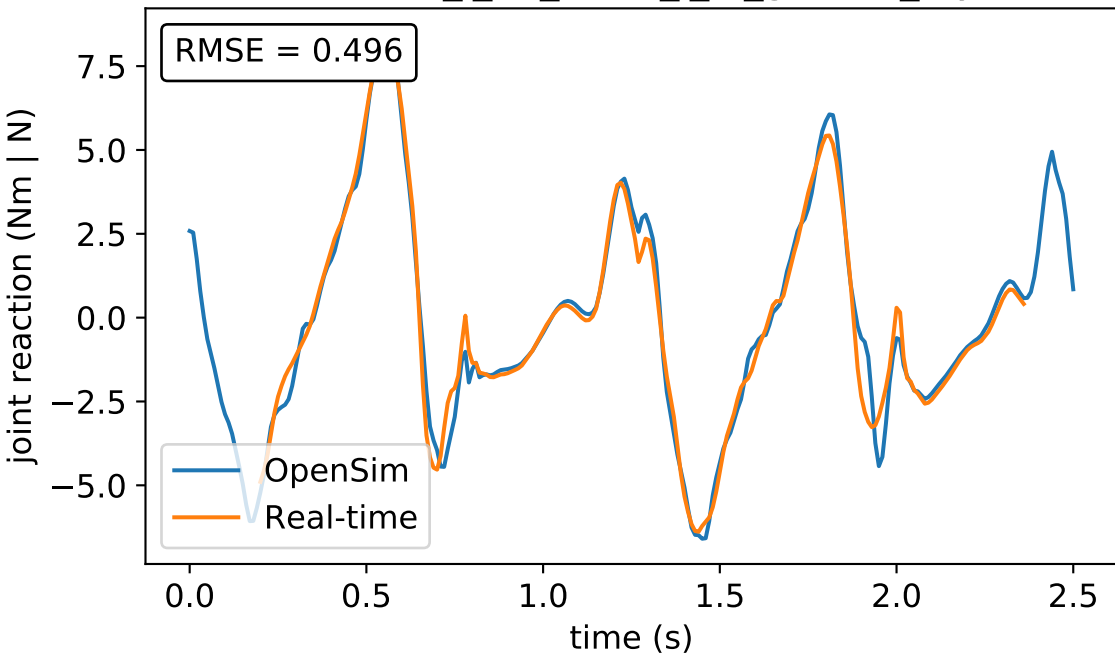
# subtalar\_l\_on\_calcn\_l\_in\_ground\_fz



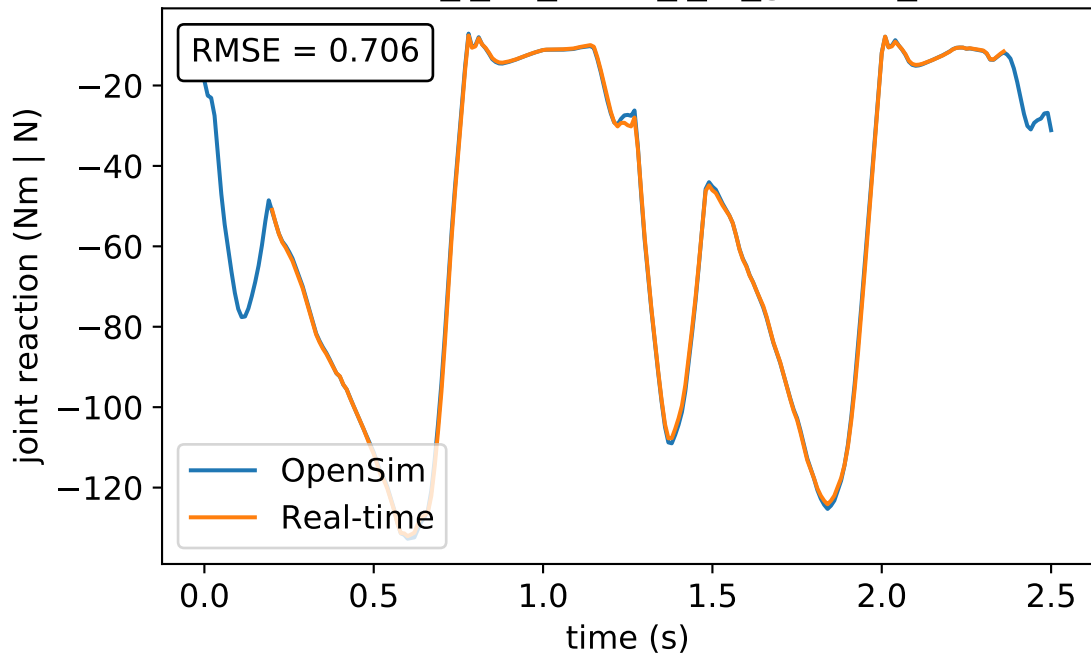
# subtalar\_l\_on\_calcn\_l\_in\_ground\_mx



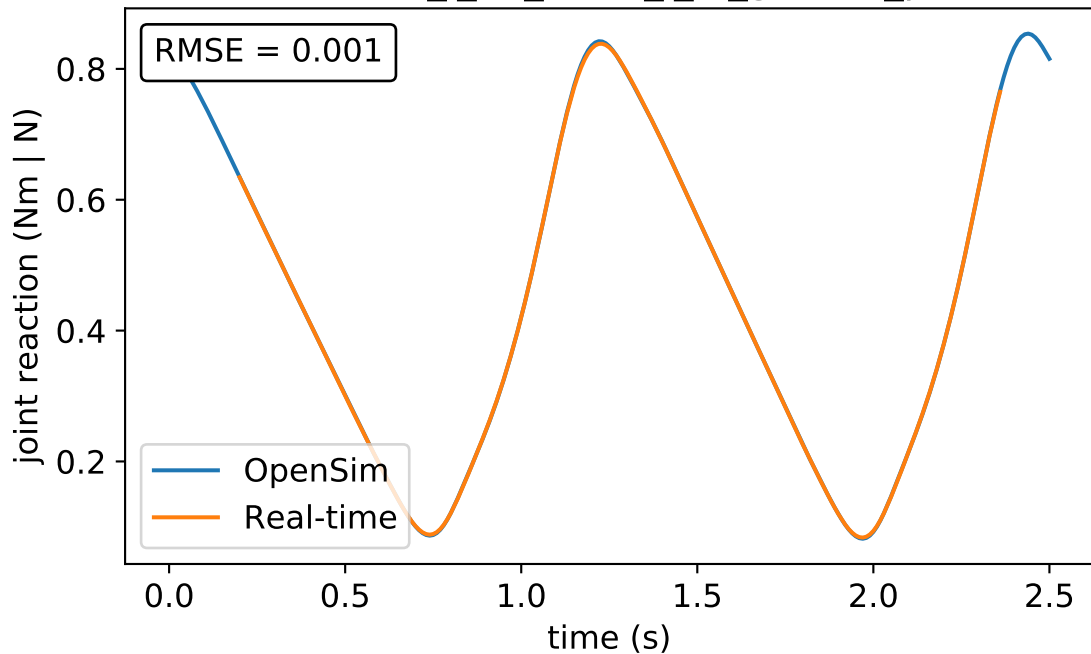
# subtalar\_l\_on\_calcn\_l\_in\_ground\_my



# subtalar\_l\_on\_calcn\_l\_in\_ground\_mz

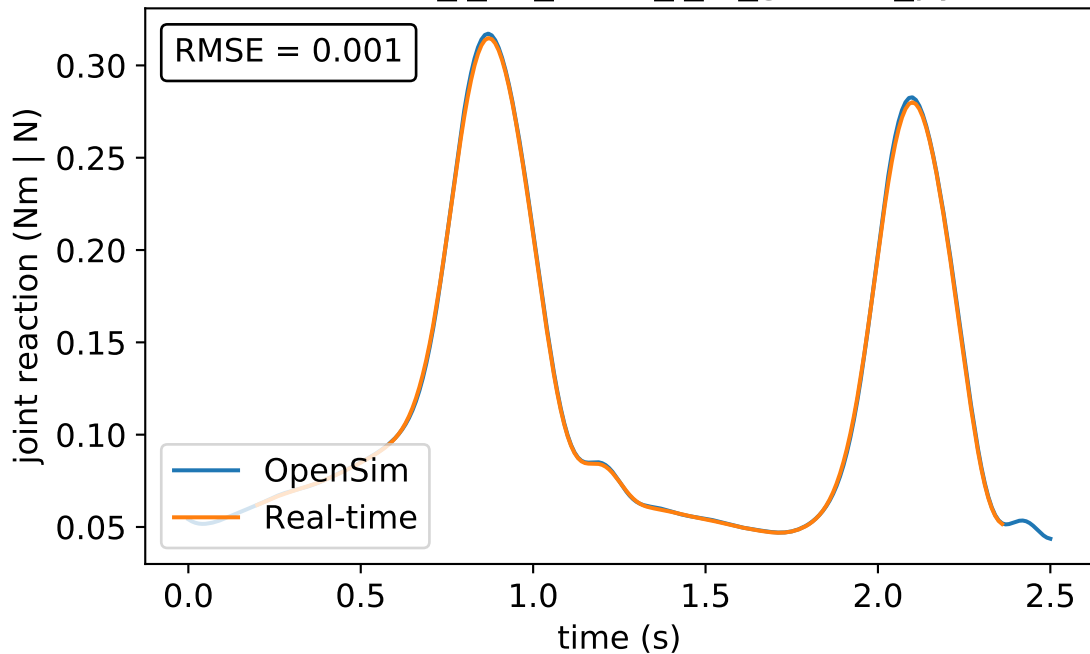


# subtalar\_l\_on\_calcn\_l\_in\_ground\_px

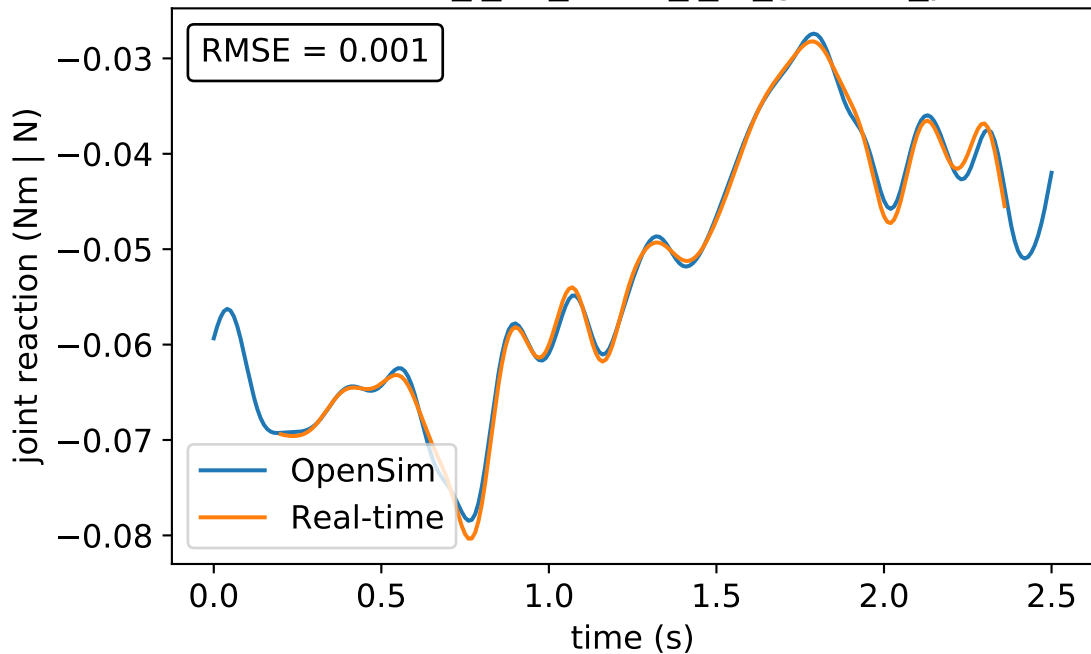




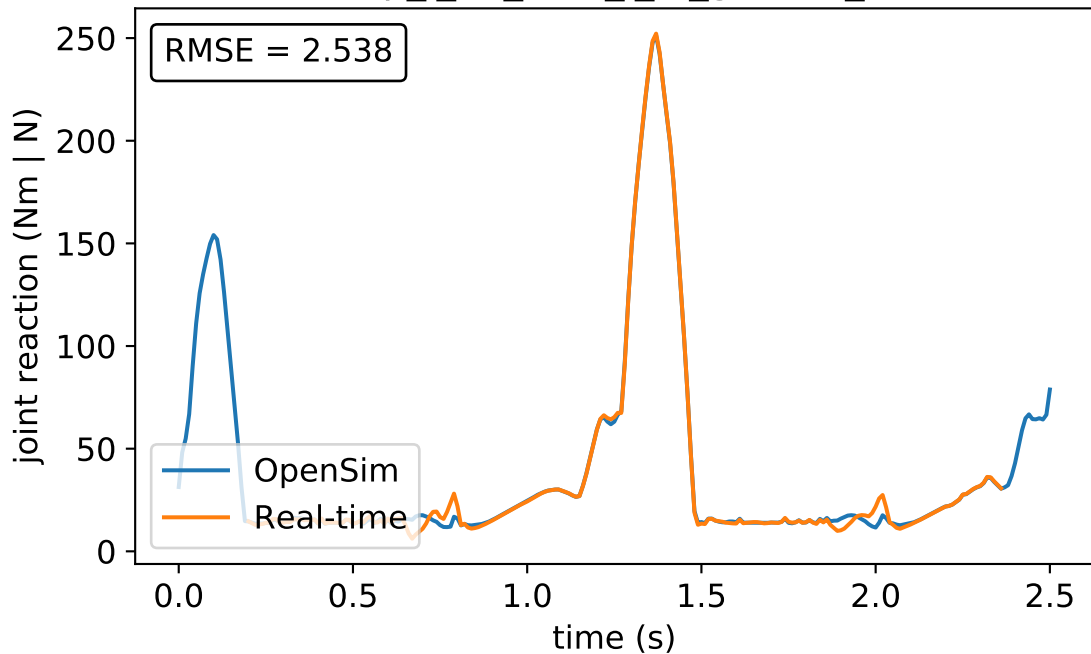
# subtalar\_l\_on\_calcn\_l\_in\_ground\_py



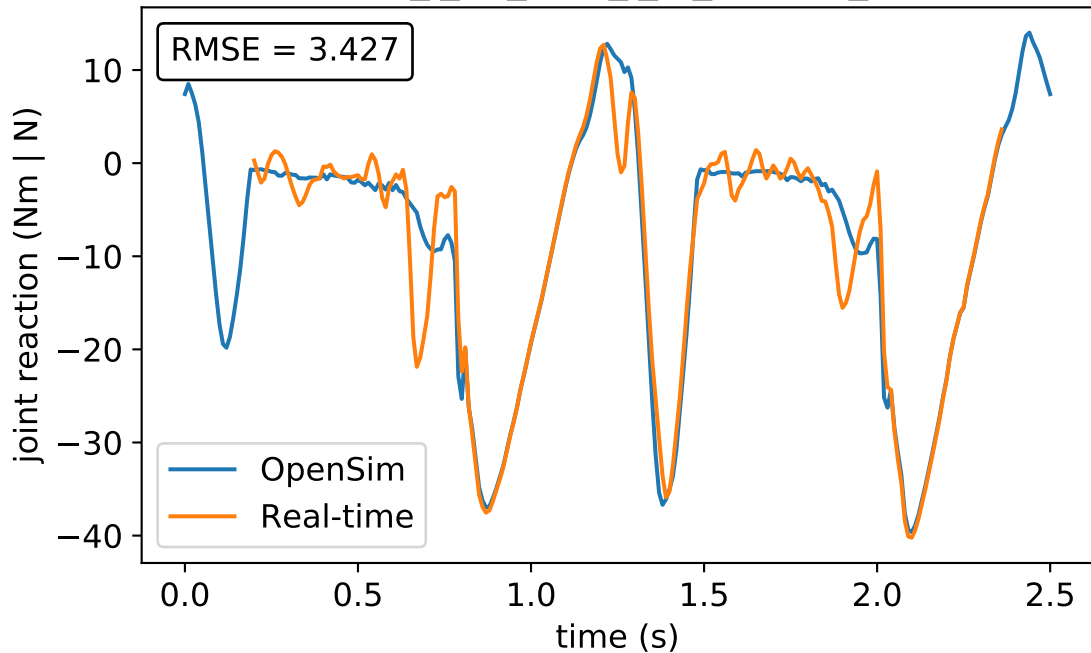
# subtalar\_l\_on\_calcn\_l\_in\_ground\_pz



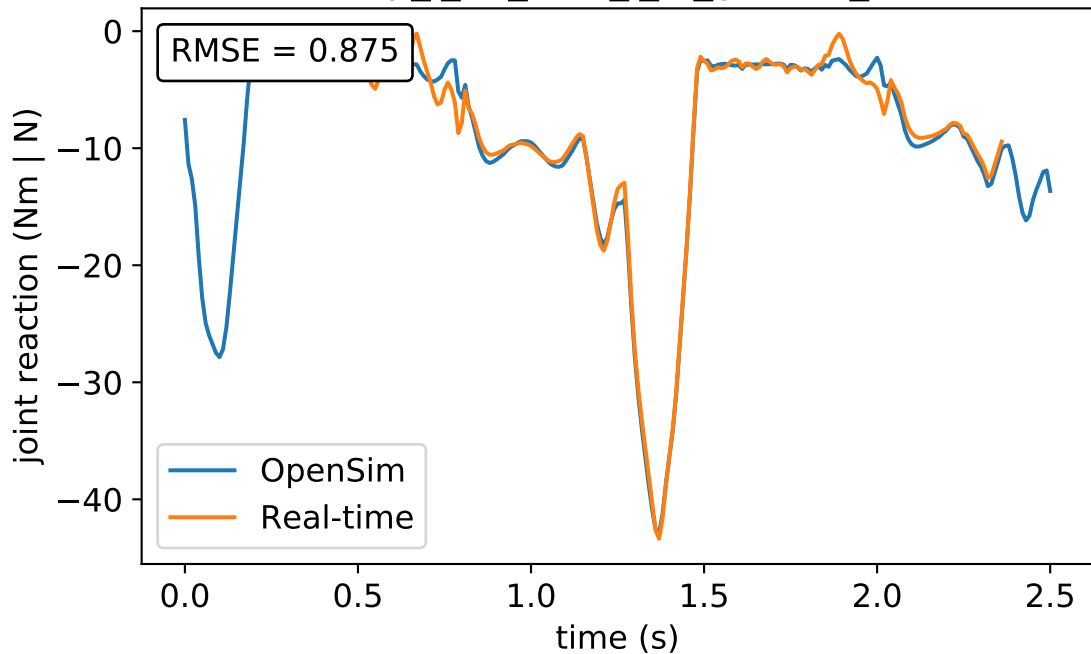
# mtp\_l\_on\_toes\_l\_in\_ground\_fx



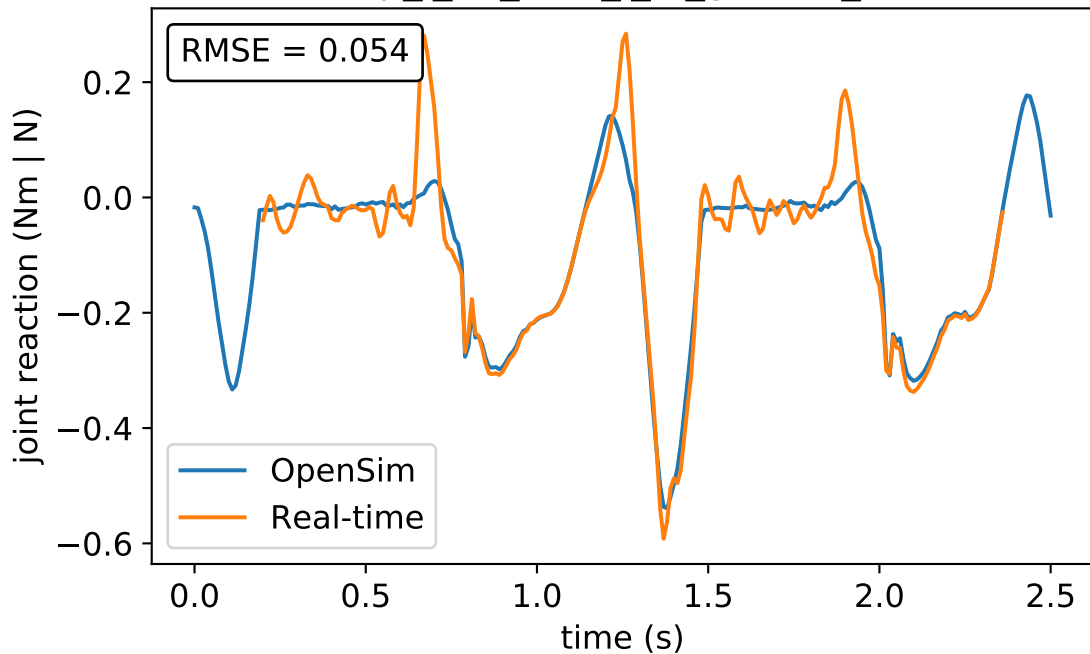
# mtp\_l\_on\_toes\_l\_in\_ground\_fy



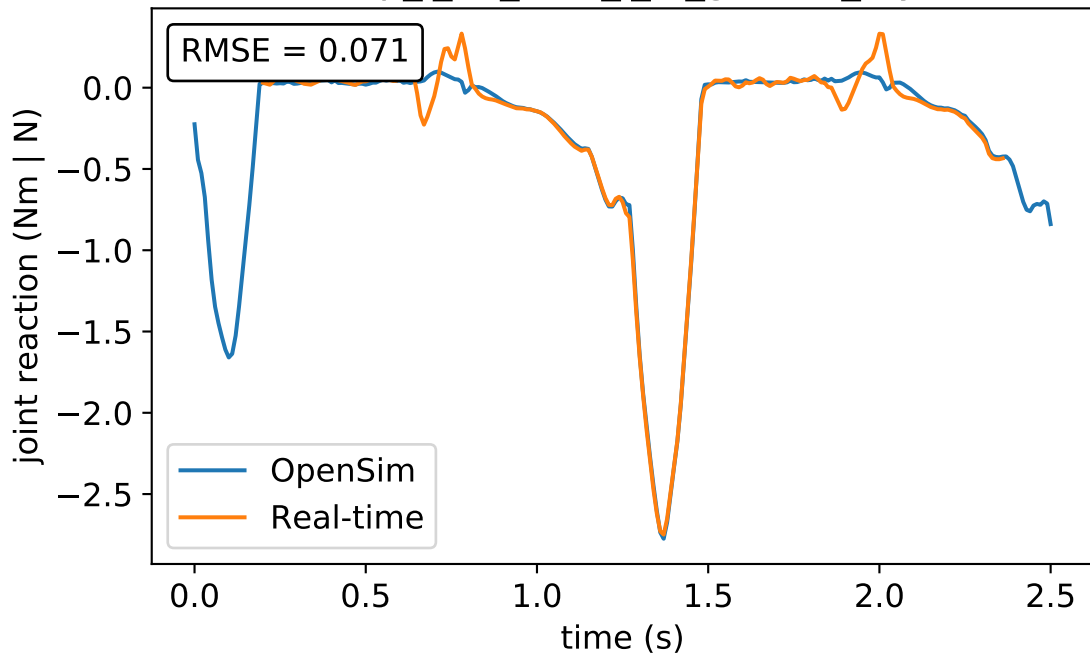
# mtp\_l\_on\_toes\_l\_in\_ground\_fz



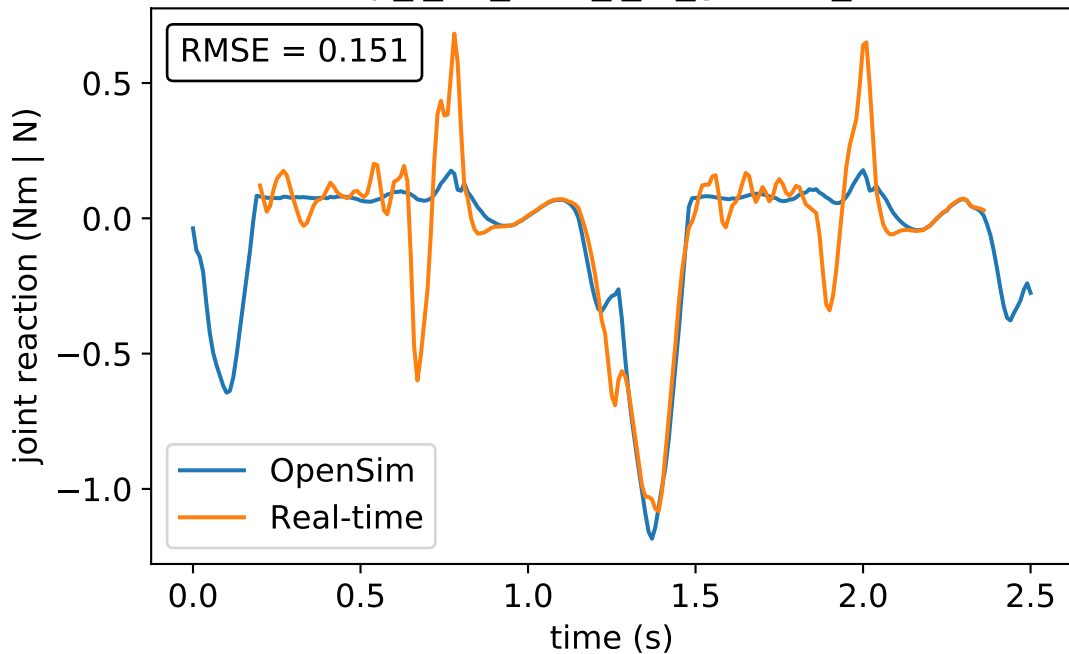
# mtp\_l\_on\_toes\_l\_in\_ground\_mx



# mtp\_l\_on\_toes\_l\_in\_ground\_my

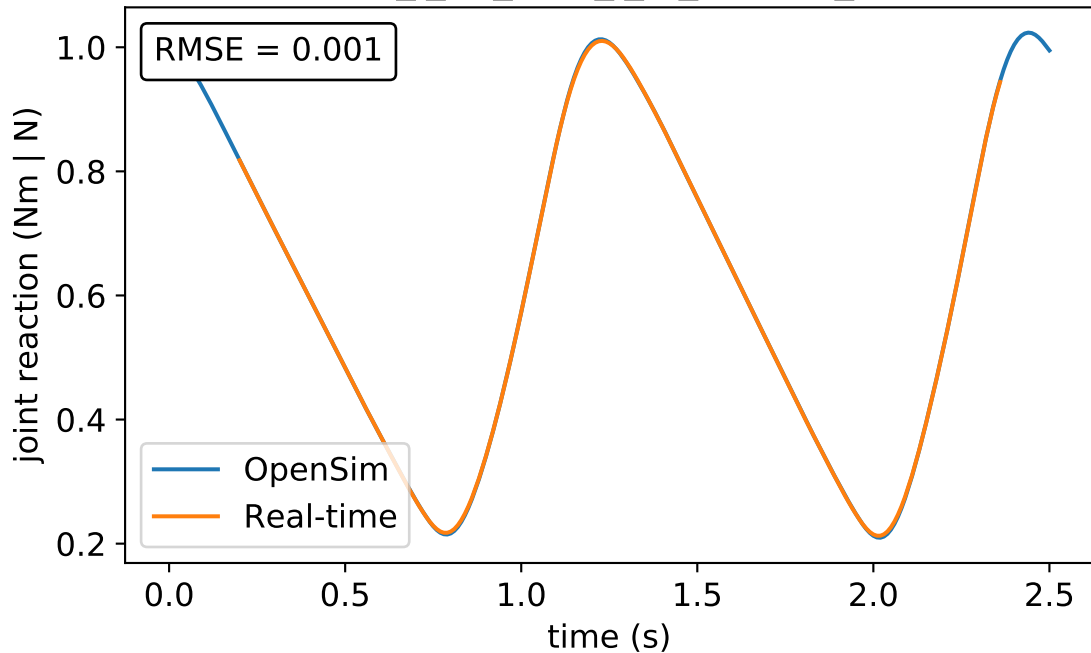


# mtp\_l\_on\_toes\_l\_in\_ground\_mz

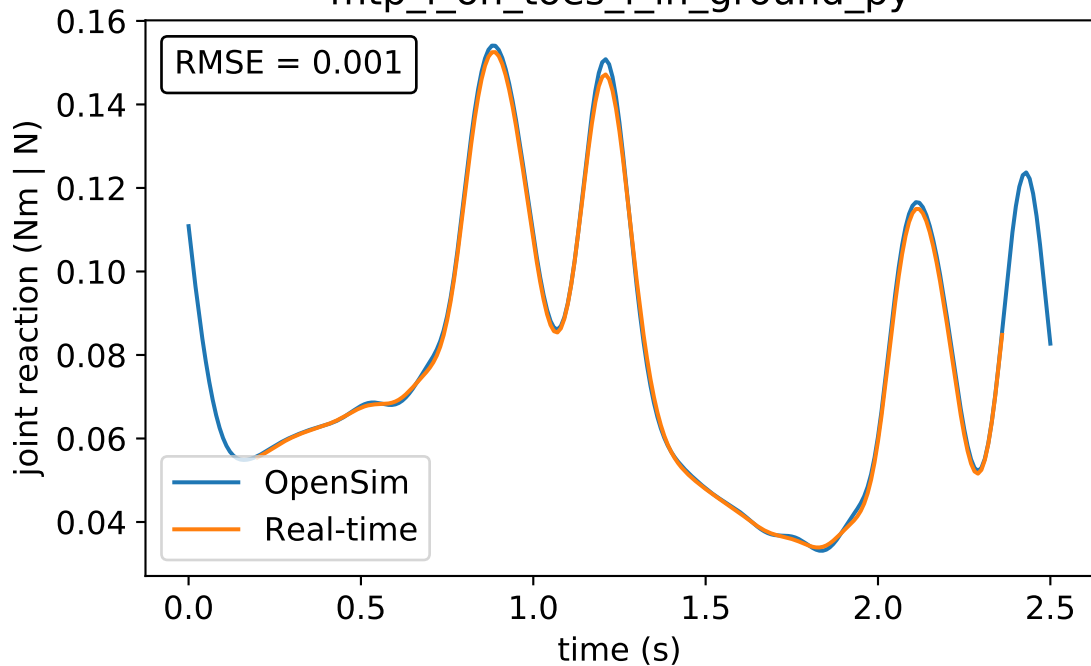




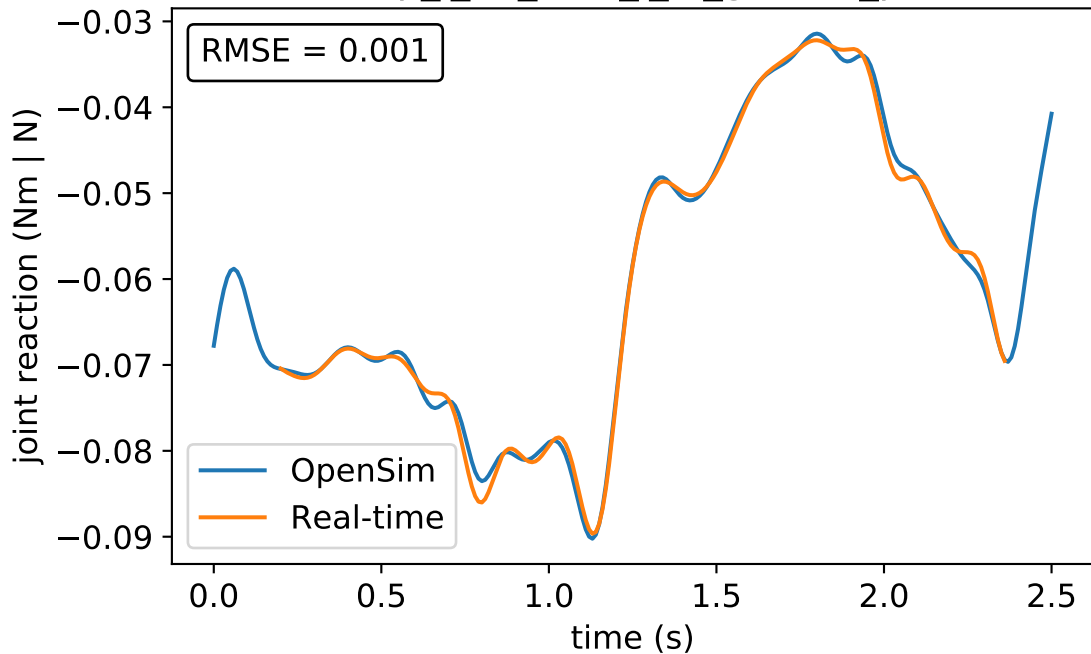
# mtp\_l\_on\_toes\_l\_in\_ground\_px



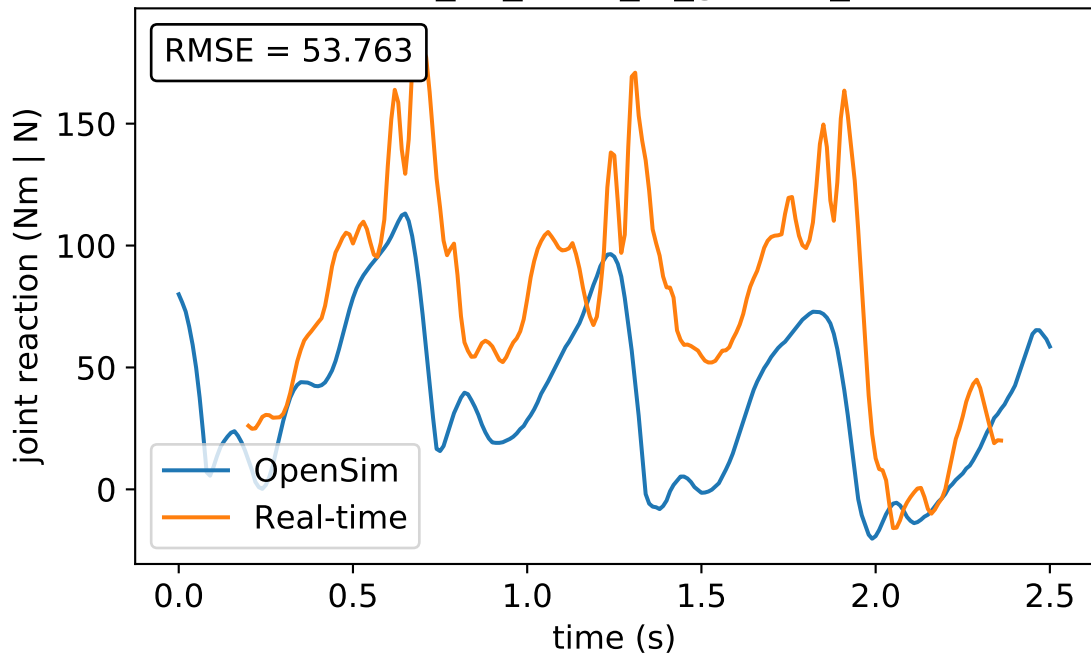
# mtp\_l\_on\_toes\_l\_in\_ground\_py



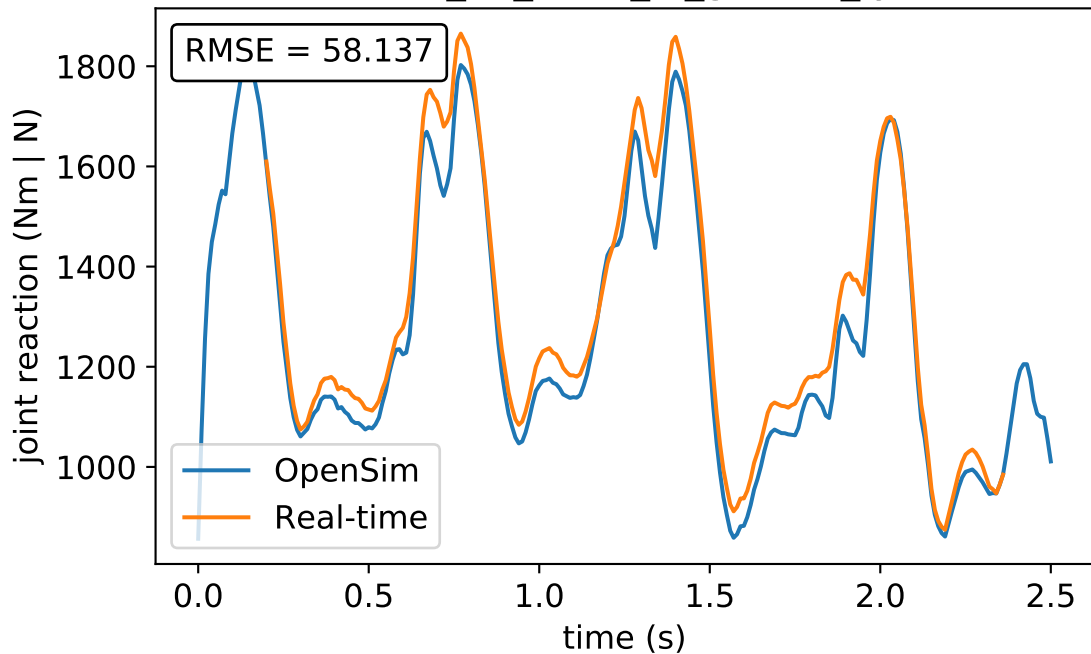
# mtp\_l\_on\_toes\_l\_in\_ground\_pz



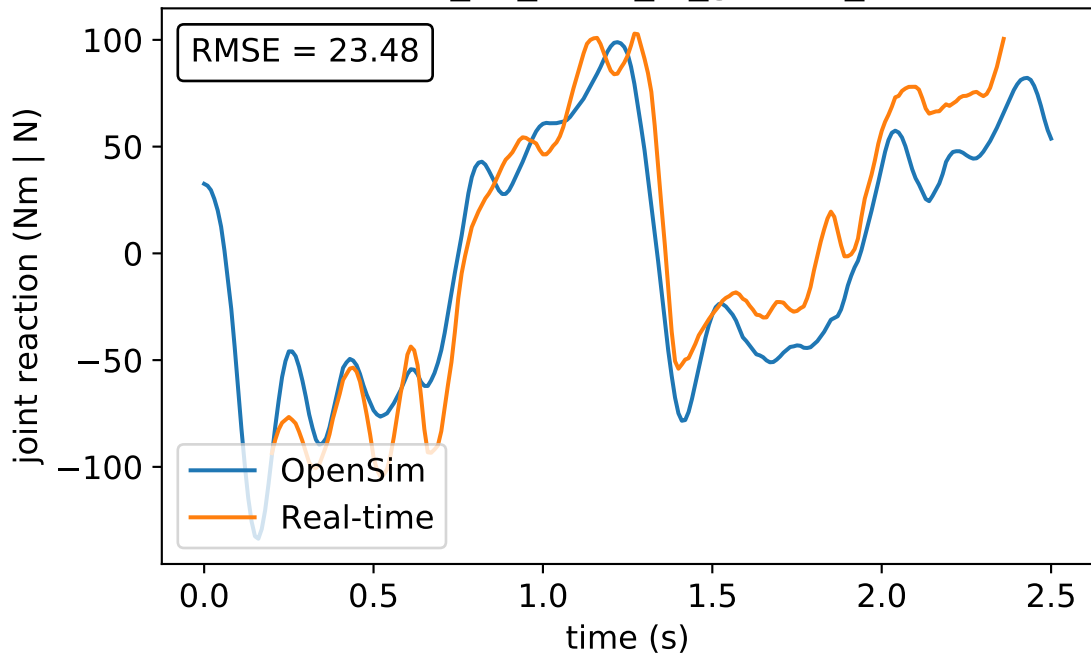
# back\_on\_torso\_in\_ground\_fx



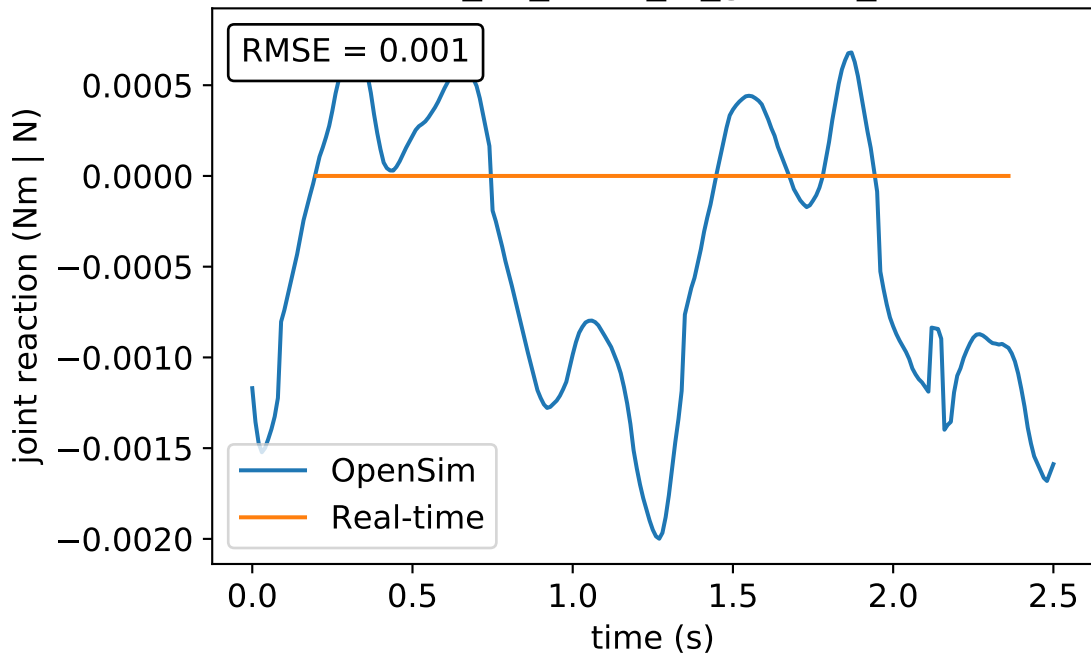
# back\_on\_torso\_in\_ground\_fy



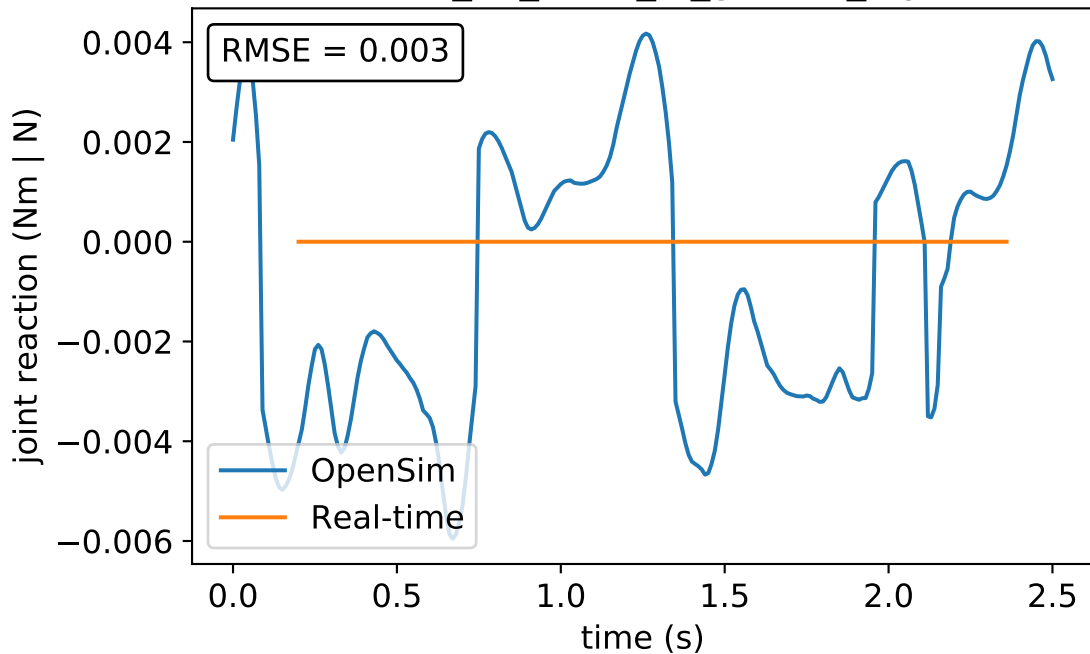
# back\_on\_torso\_in\_ground\_fz



# back\_on\_torso\_in\_ground\_mx

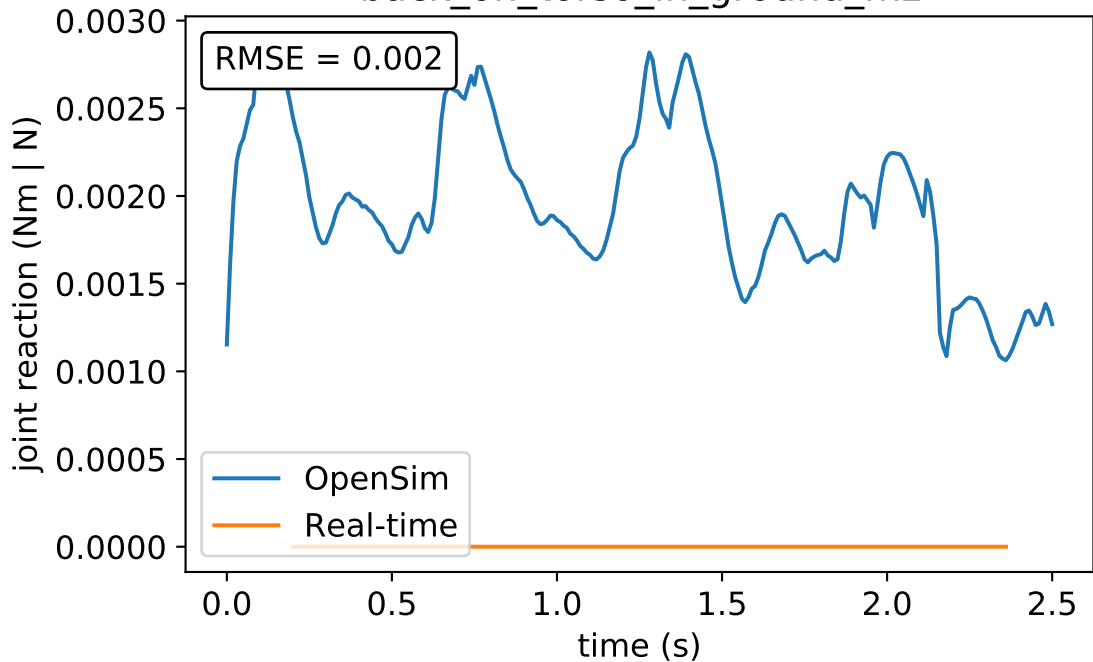


# back\_on\_torso\_in\_ground\_my

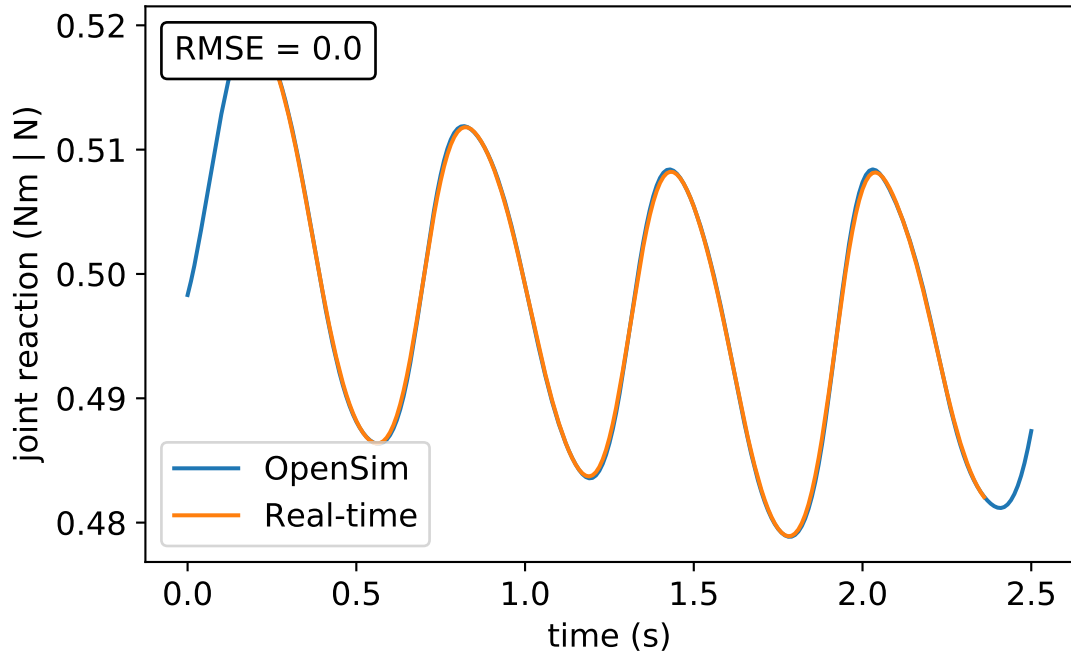




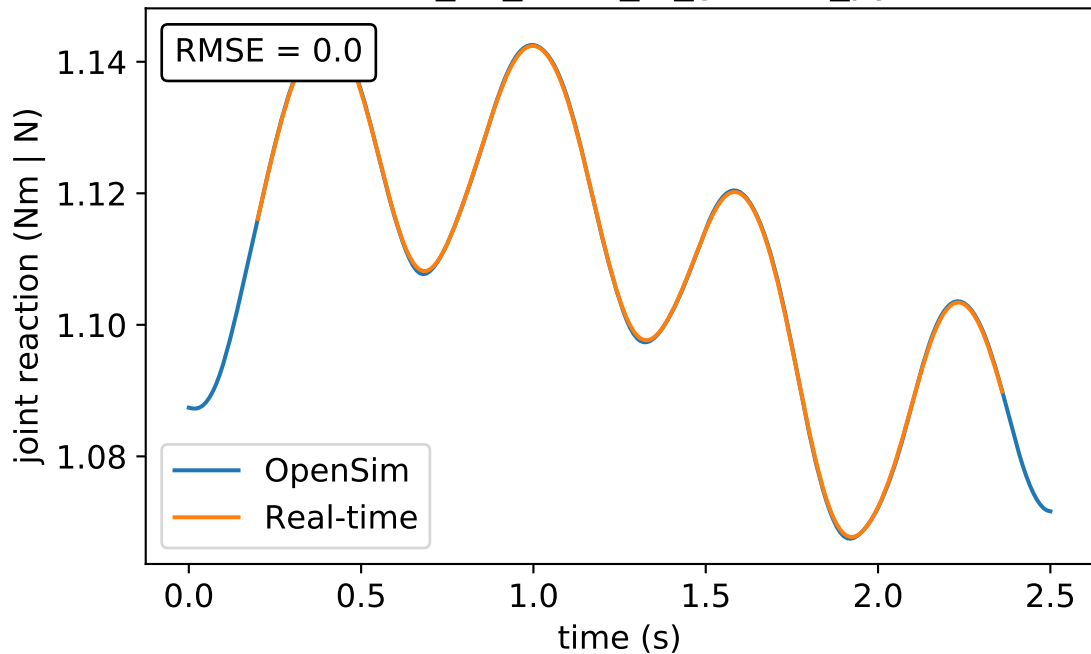
# back\_on\_torso\_in\_ground\_mz



# back\_on\_torso\_in\_ground\_px



# back\_on\_torso\_in\_ground\_py



# back\_on\_torso\_in\_ground\_pz

