

ground\_pelvis\_on\_pelvis\_in\_ground\_fx

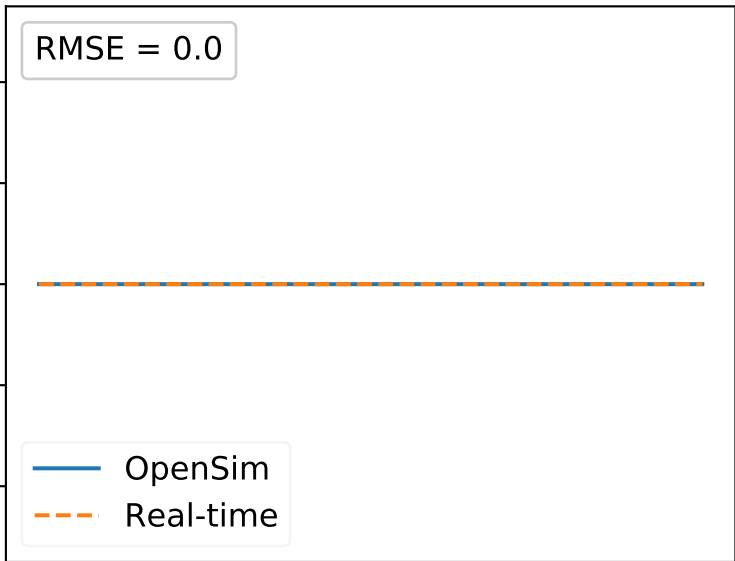
RMSE = 0.0

joint reaction force (N)

0.04  
0.02  
0.00  
-0.02  
-0.04

OpenSim  
Real-time

0 20 40 60 80 100  
gait cycle (%)



ground\_pelvis\_on\_pelvis\_in\_ground\_fy

RMSE = 0.0

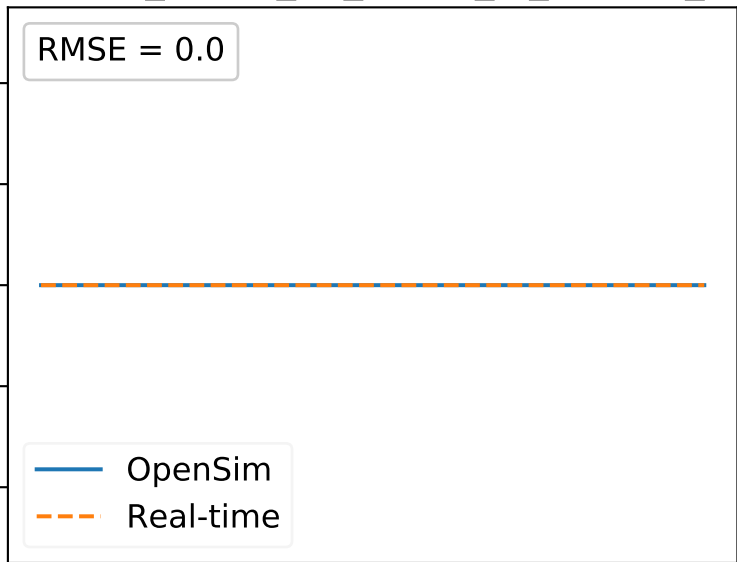
joint reaction force (N)

0.04  
0.02  
0.00  
-0.02  
-0.04

OpenSim  
Real-time

0 20 40 60 80 100

gait cycle (%)



ground\_pelvis\_on\_pelvis\_in\_ground\_fz

RMSE = 0.0

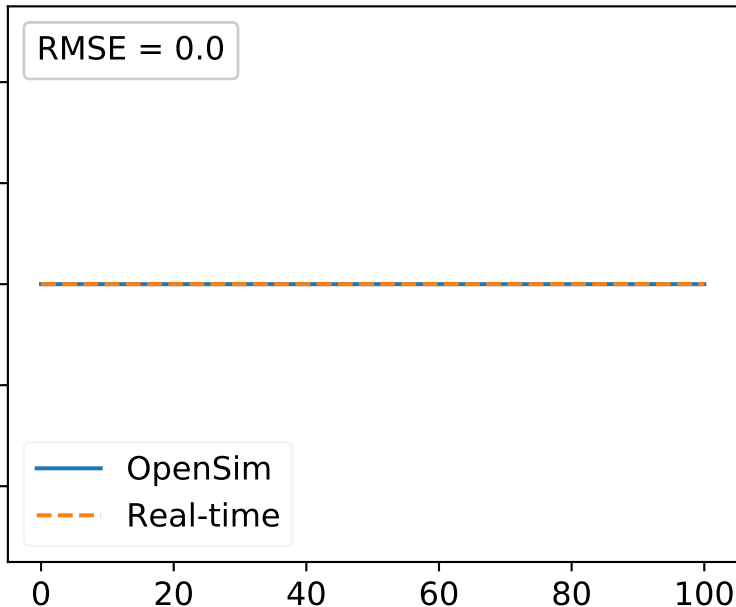
joint reaction force (N)

0.04  
0.02  
0.00  
-0.02  
-0.04

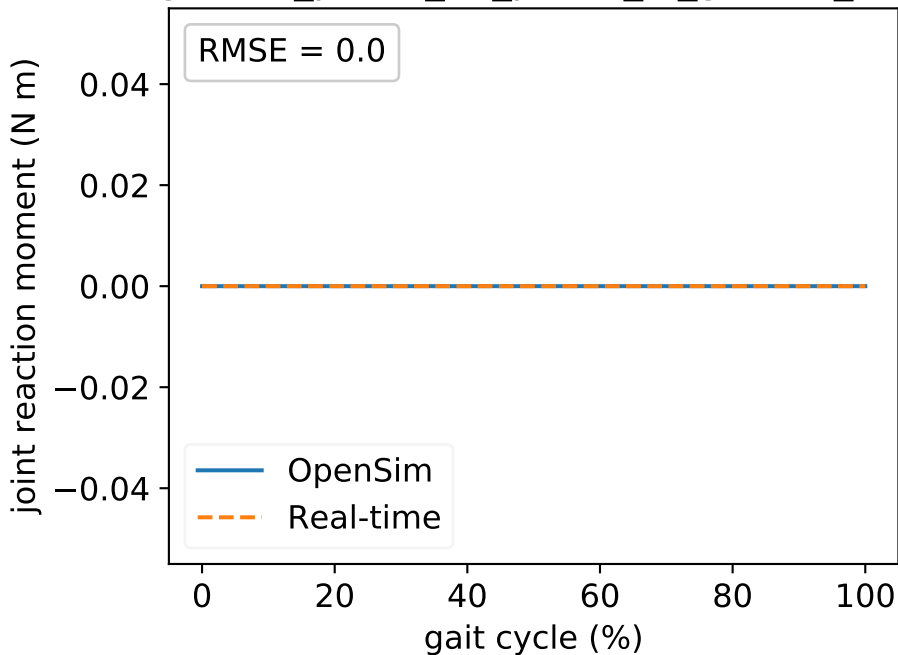
OpenSim  
Real-time

0 20 40 60 80 100

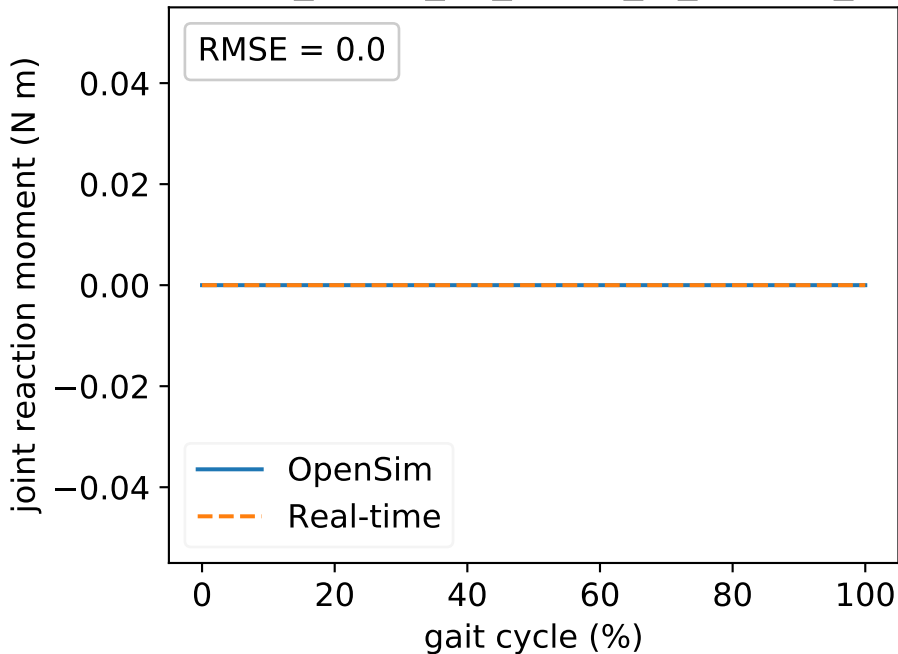
gait cycle (%)



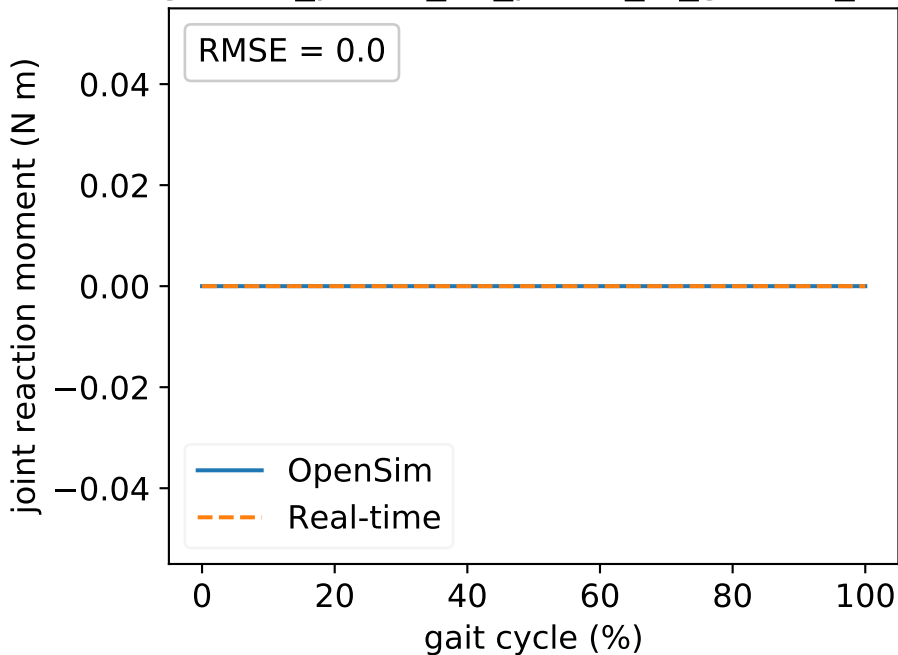
ground\_pelvis\_on\_pelvis\_in\_ground\_mx



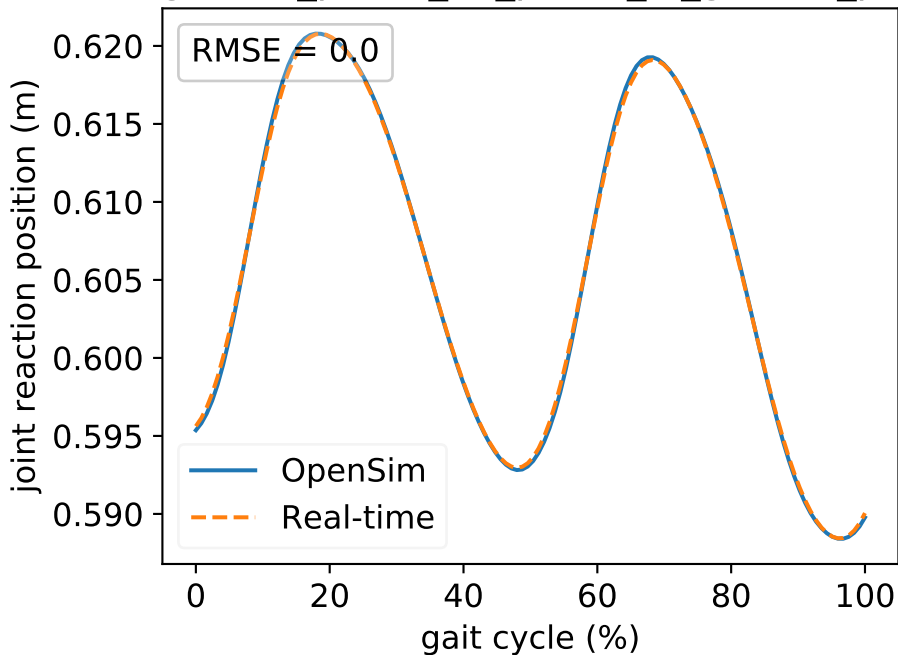
ground\_pelvis\_on\_pelvis\_in\_ground\_my



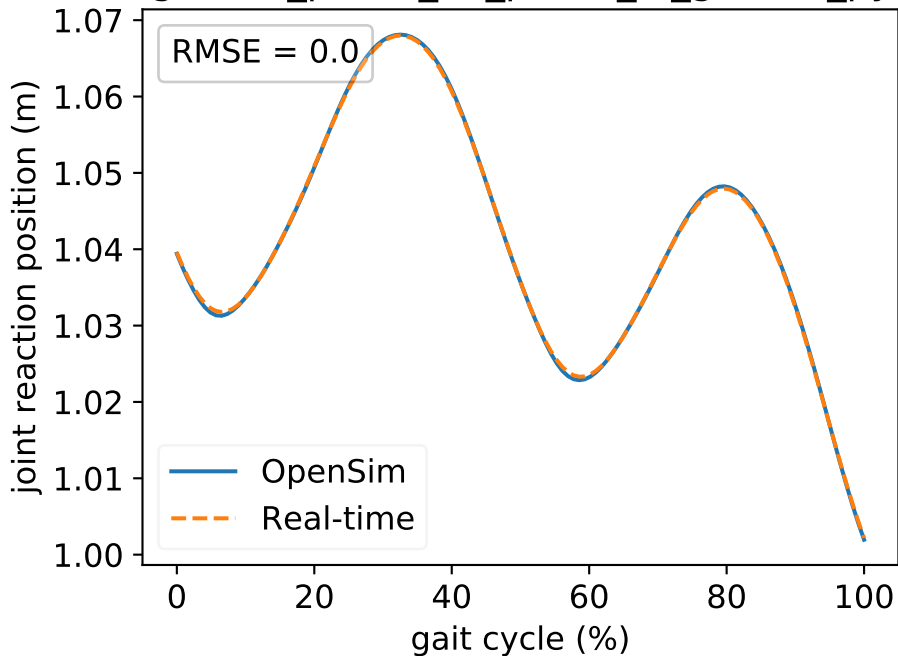
ground\_pelvis\_on\_pelvis\_in\_ground\_mz



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

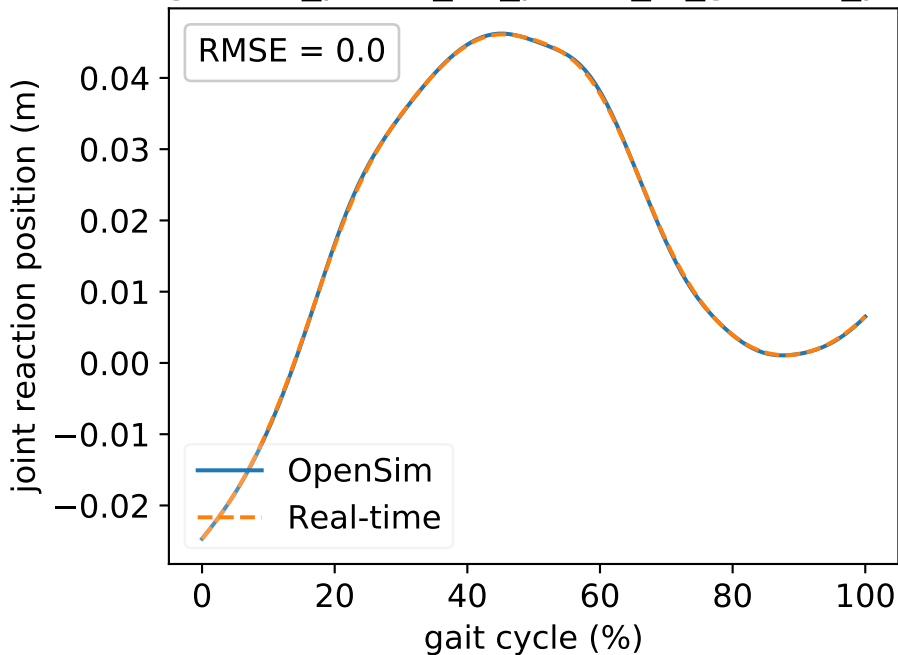


ground\_pelvis\_on\_pelvis\_in\_ground\_py

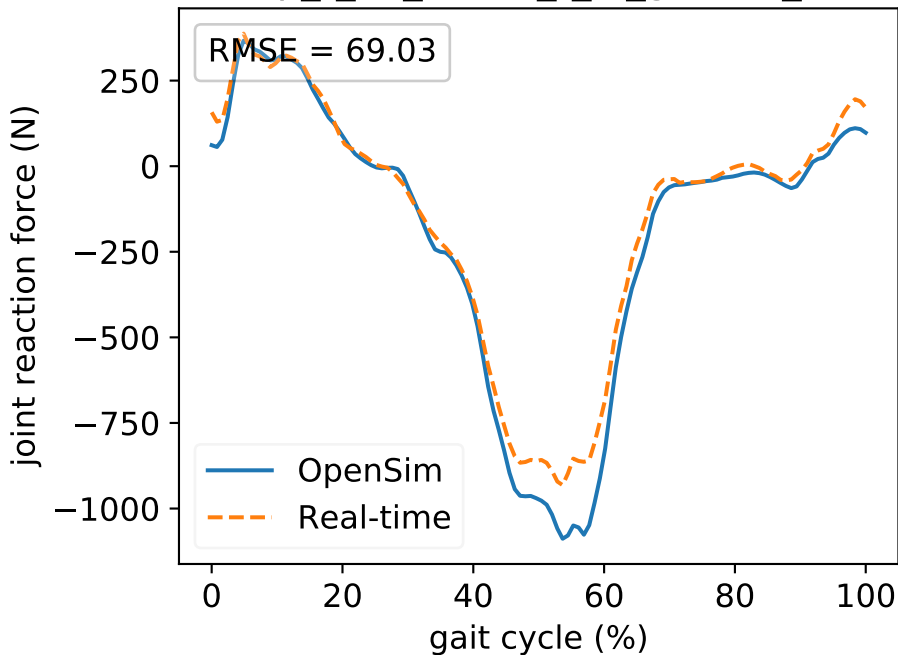




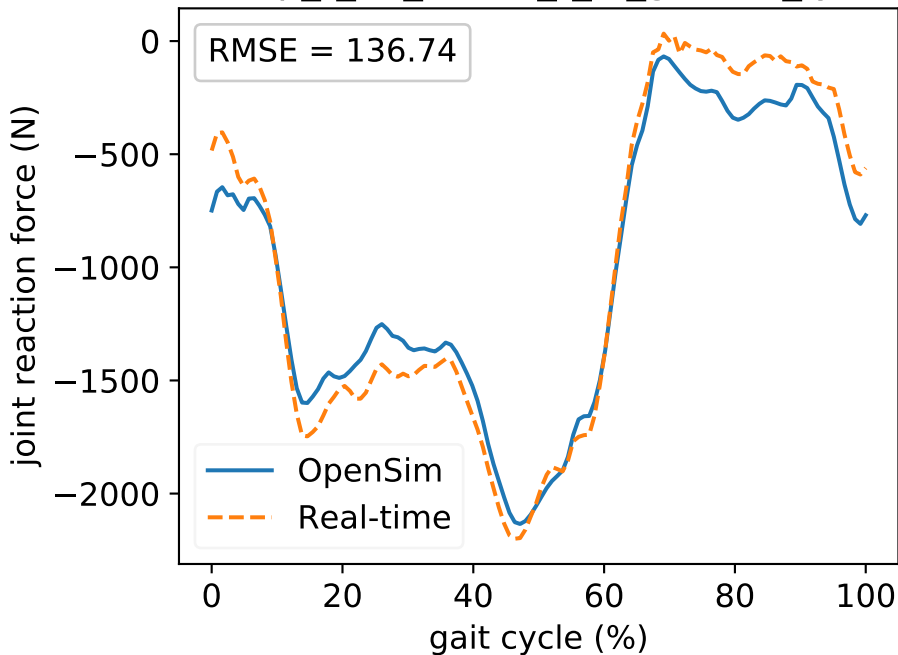
# ground\_pelvis\_on\_pelvis\_in\_ground\_pz



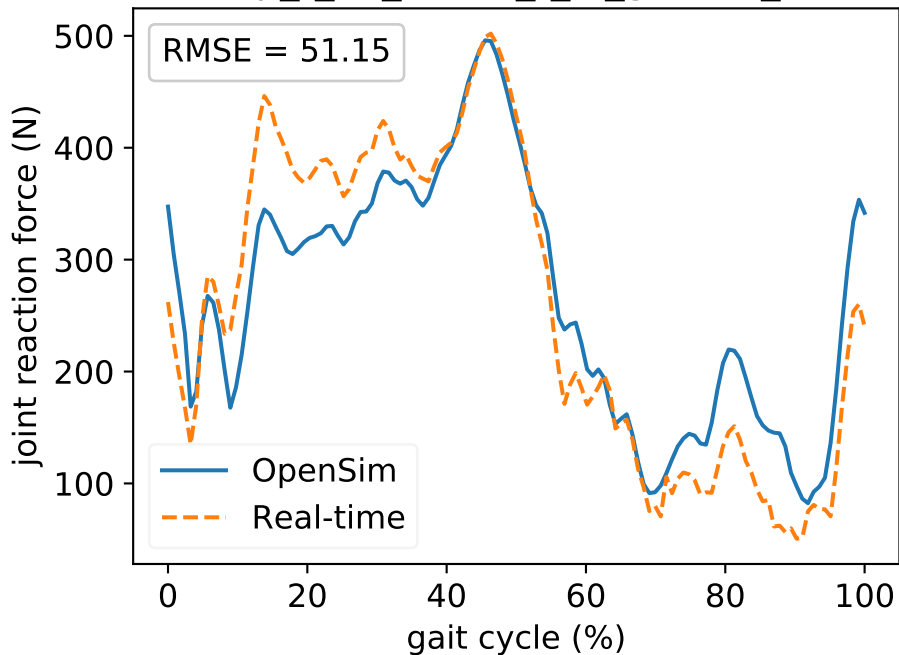
# hip\_r\_on\_femur\_r\_in\_ground\_fx



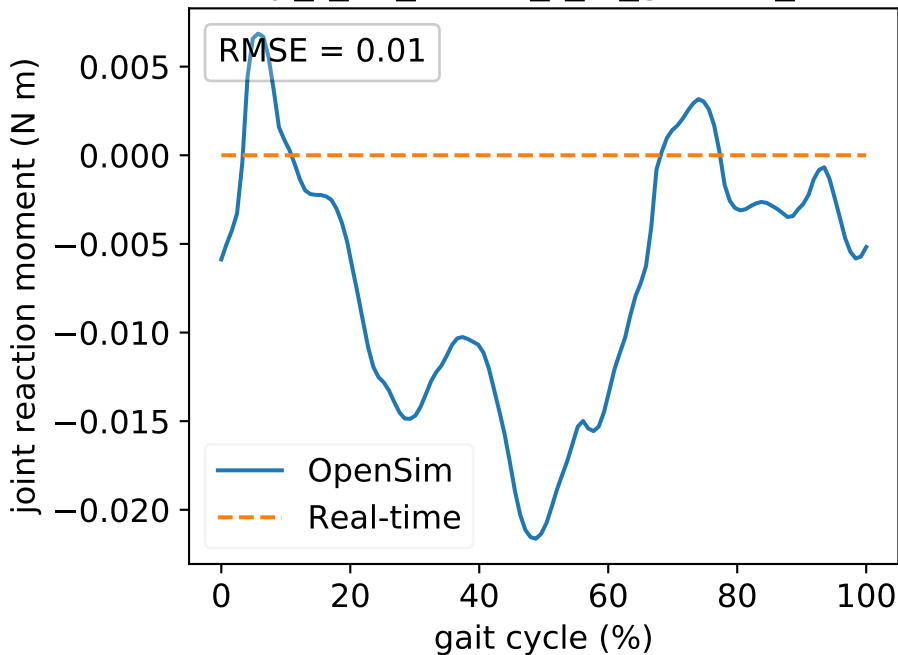
# hip\_r\_on\_femur\_r\_in\_ground\_fy



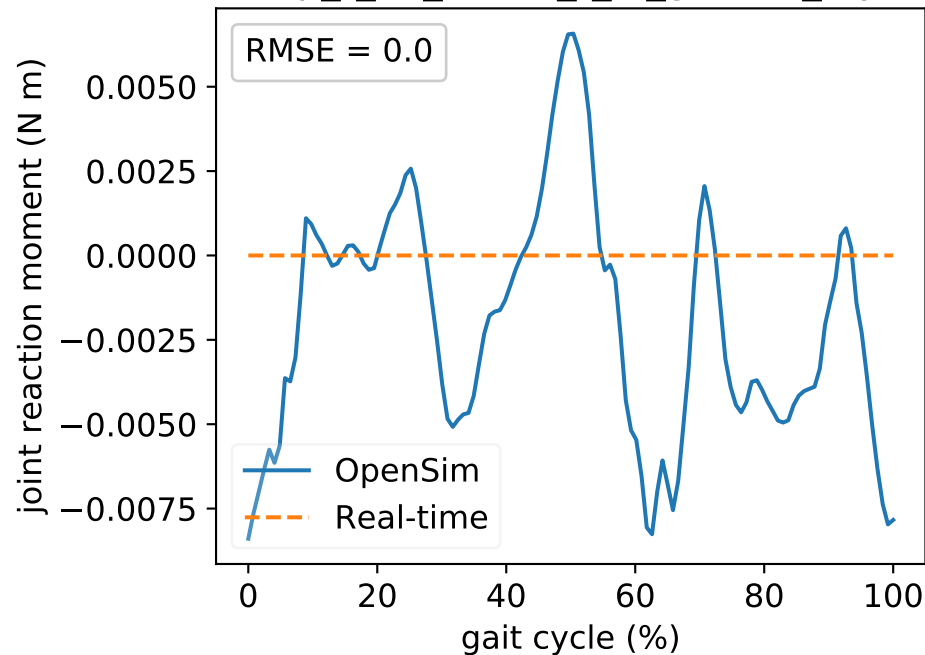
# hip\_r\_on\_femur\_r\_in\_ground\_fz



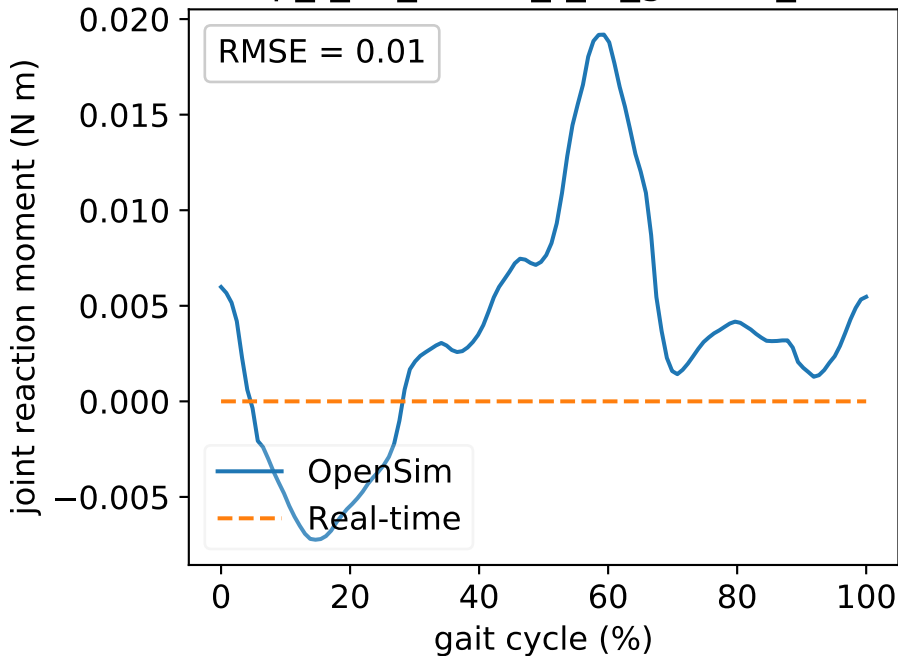
# hip\_r\_on\_femur\_r\_in\_ground\_mx



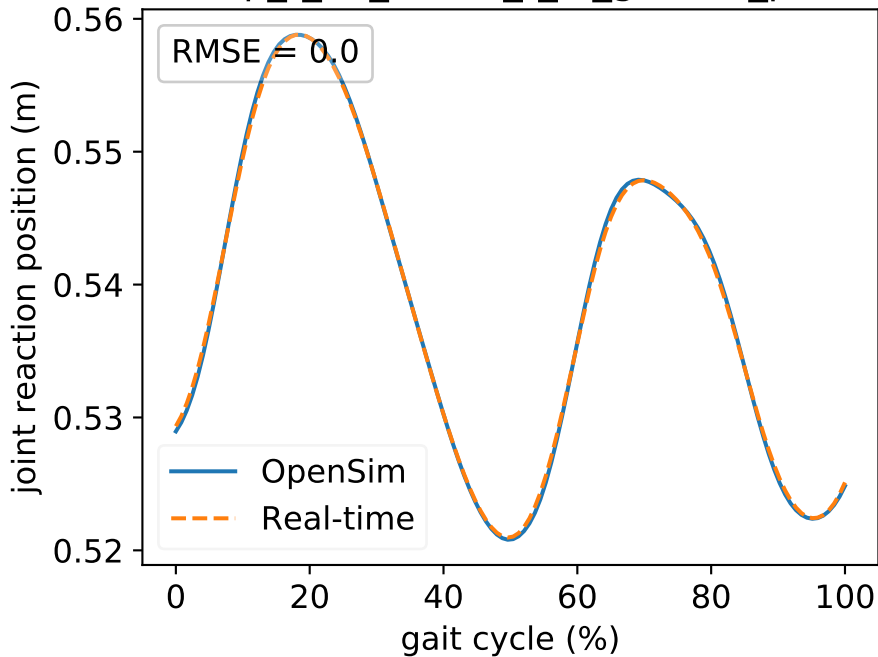
# hip\_r\_on\_femur\_r\_in\_ground\_my



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

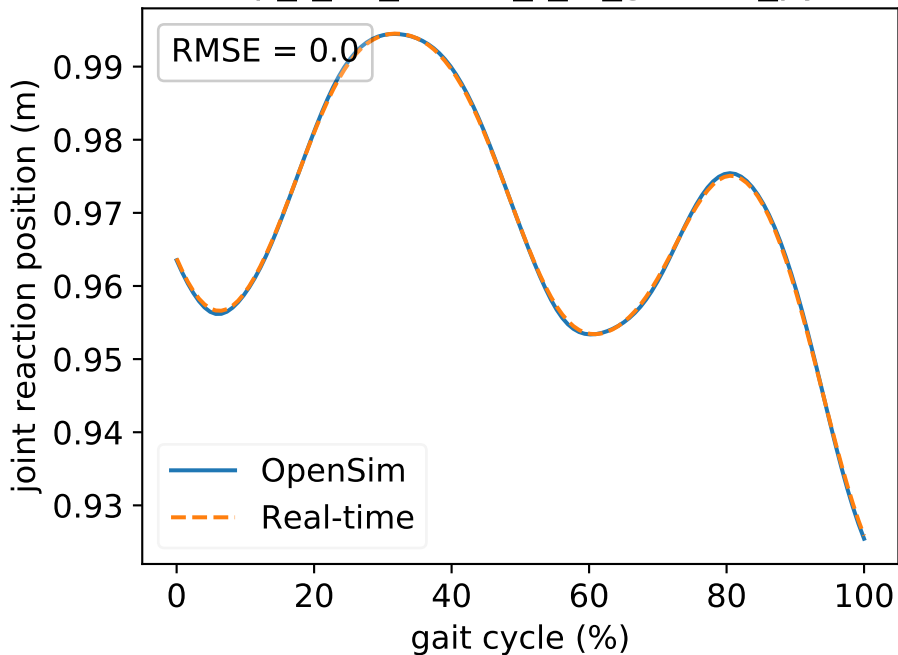


# hip\_r\_on\_femur\_r\_in\_ground\_px

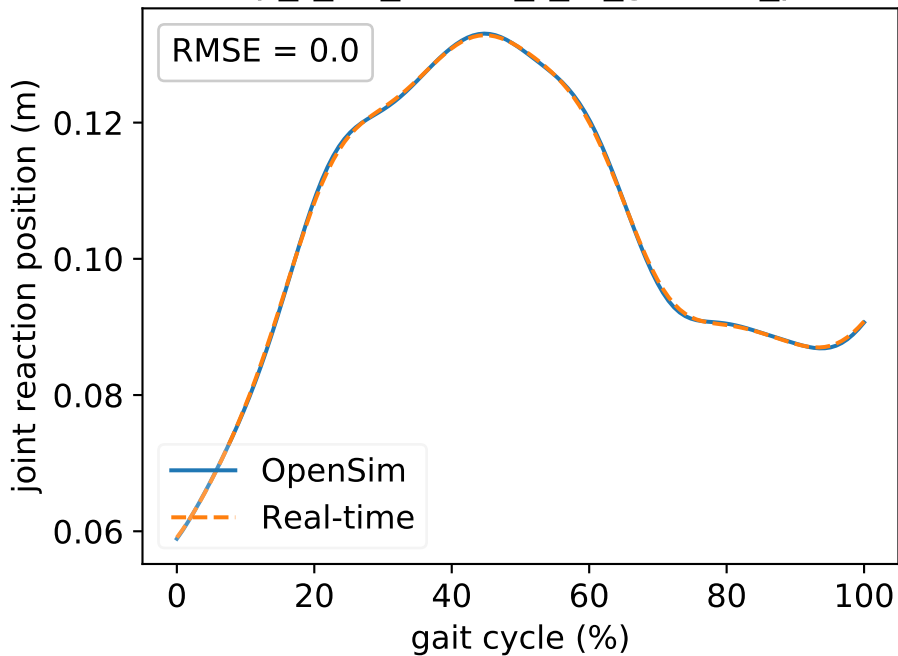




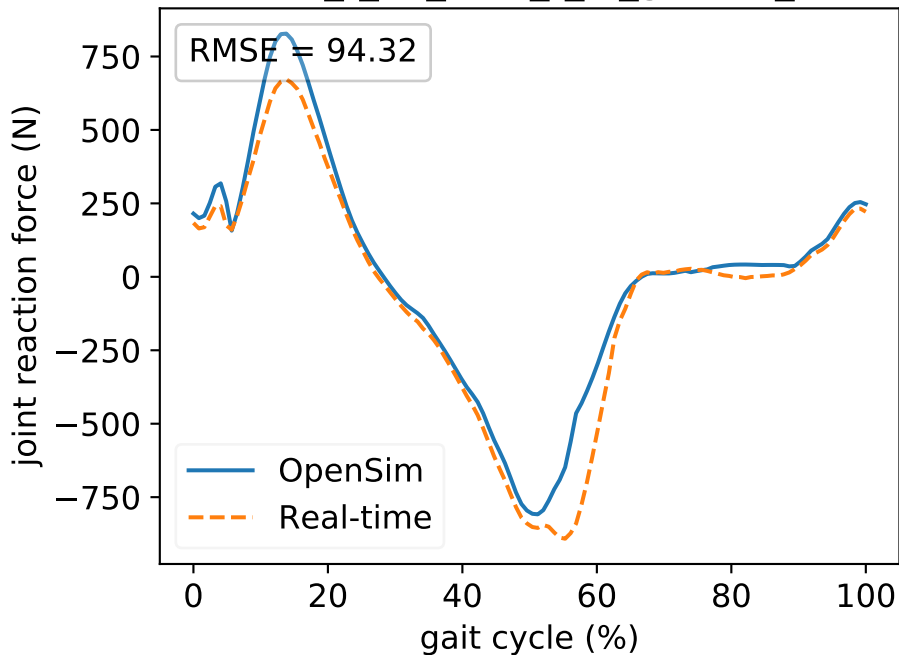
# hip\_r\_on\_femur\_r\_in\_ground\_py



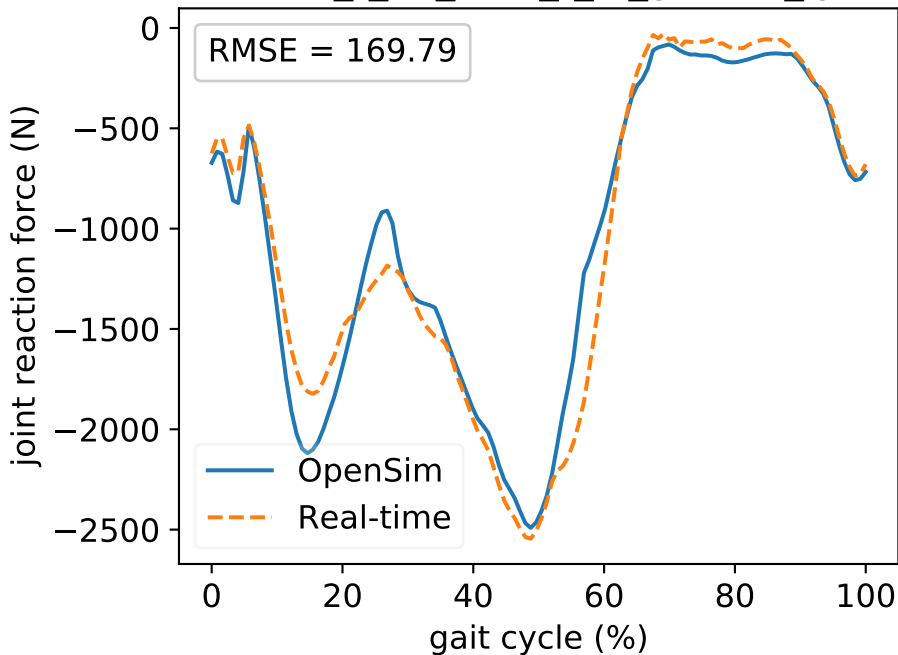
# hip\_r\_on\_femur\_r\_in\_ground\_pz



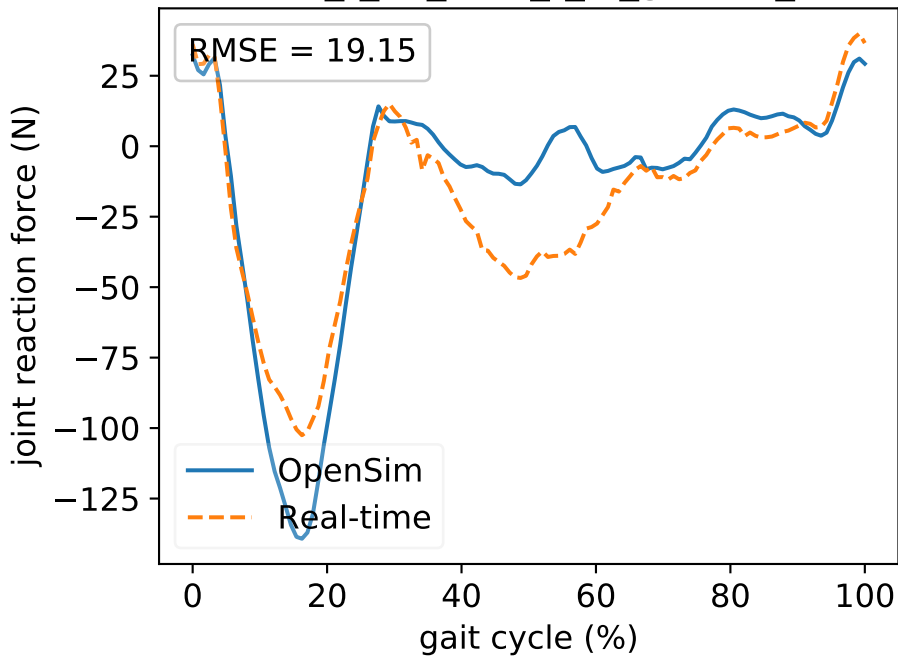
# knee\_r\_on\_tibia\_r\_in\_ground\_fx



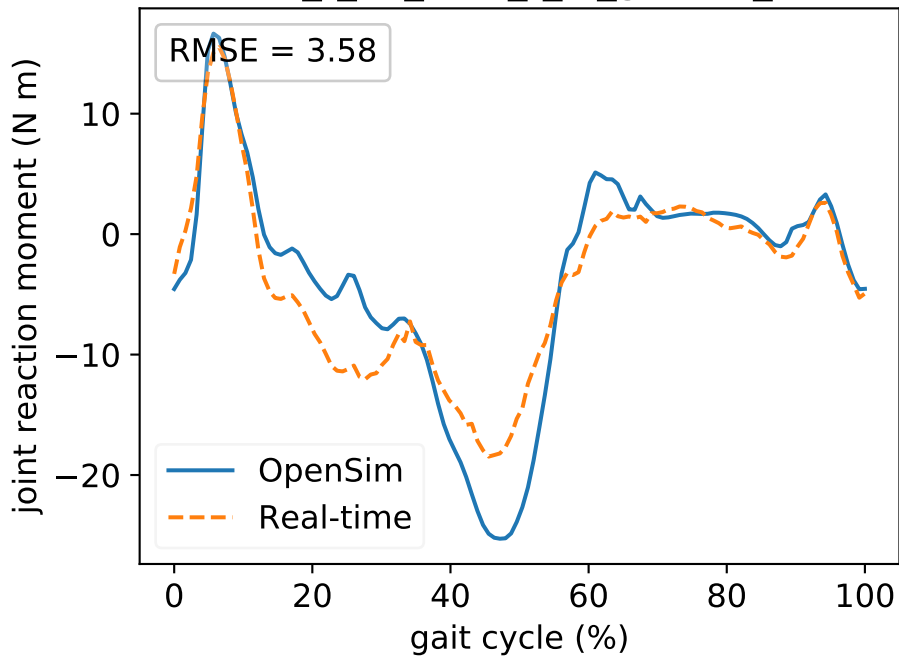
# knee\_r\_on\_tibia\_r\_in\_ground\_fy



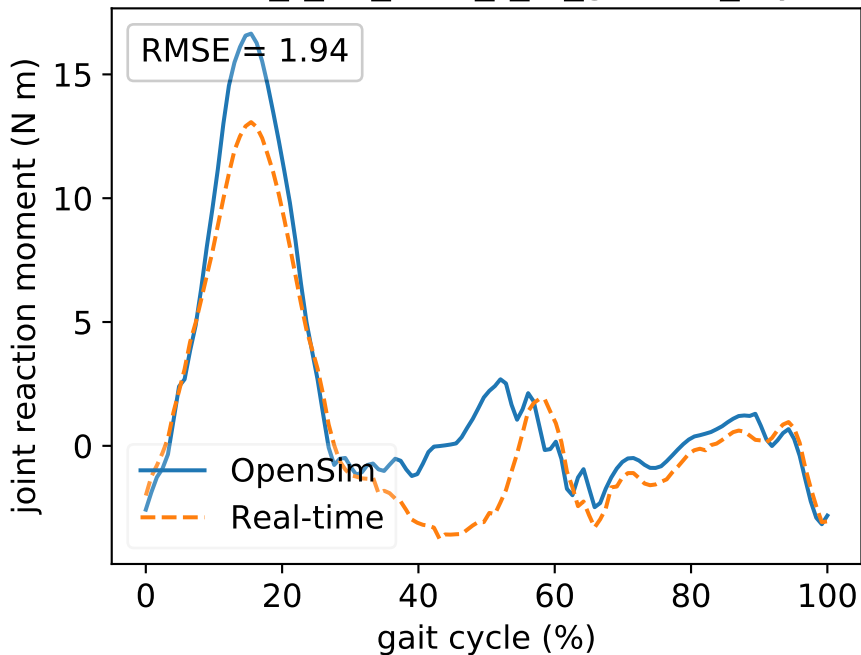
# knee\_r\_on\_tibia\_r\_in\_ground\_fz



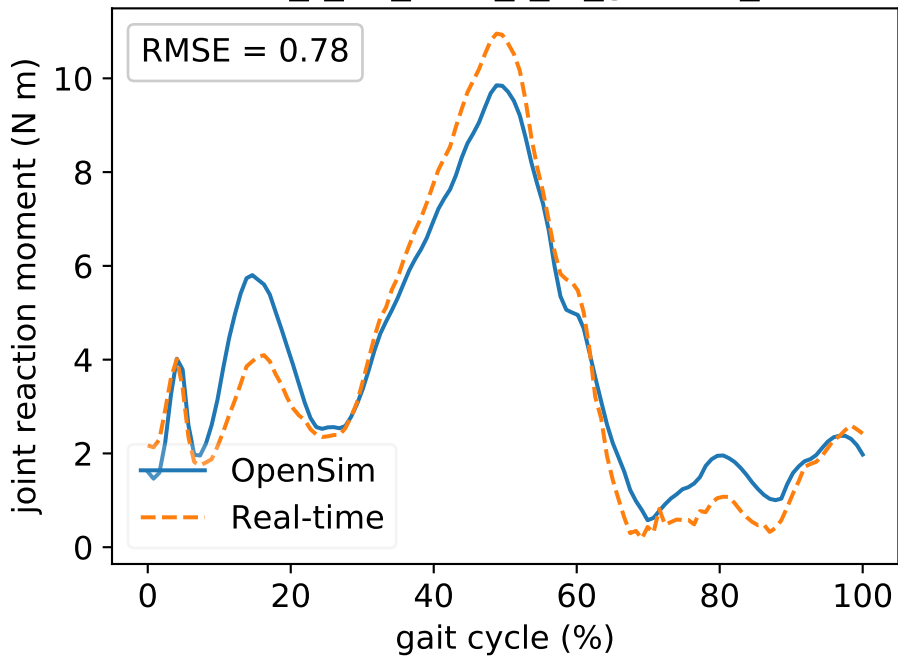
# knee\_r\_on\_tibia\_r\_in\_ground\_mx



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

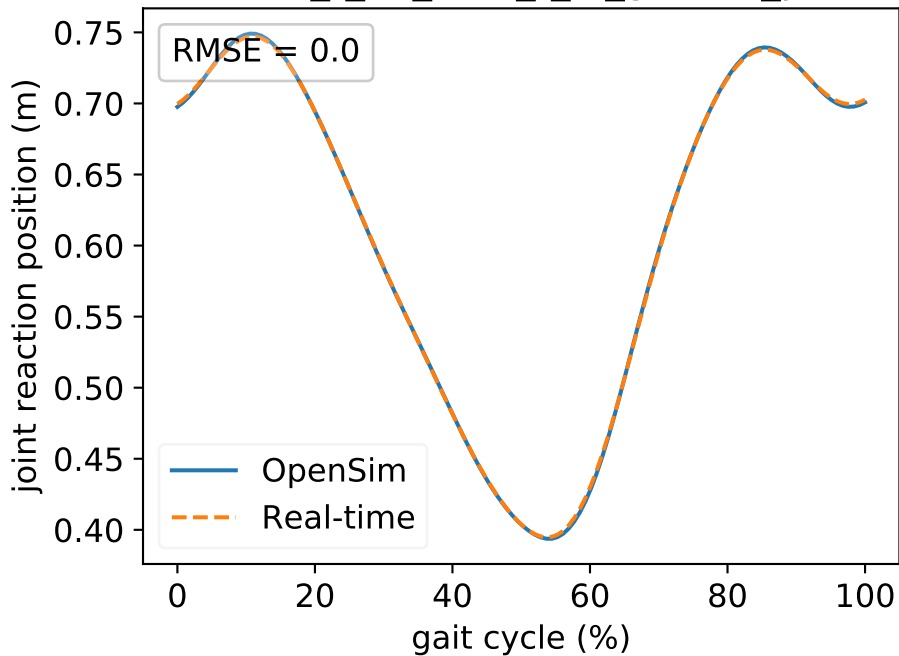


# knee\_r\_on\_tibia\_r\_in\_ground\_mz

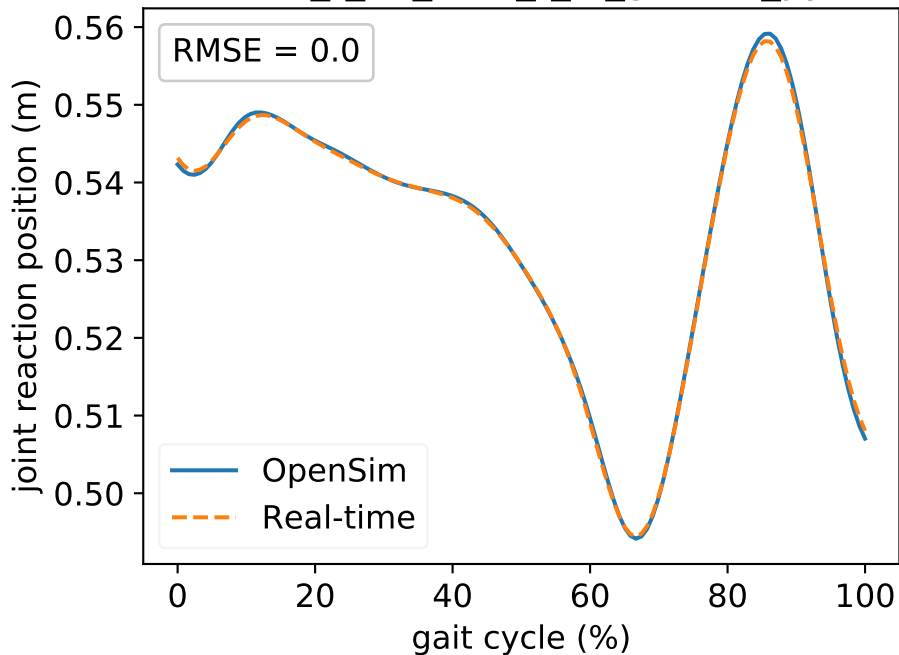




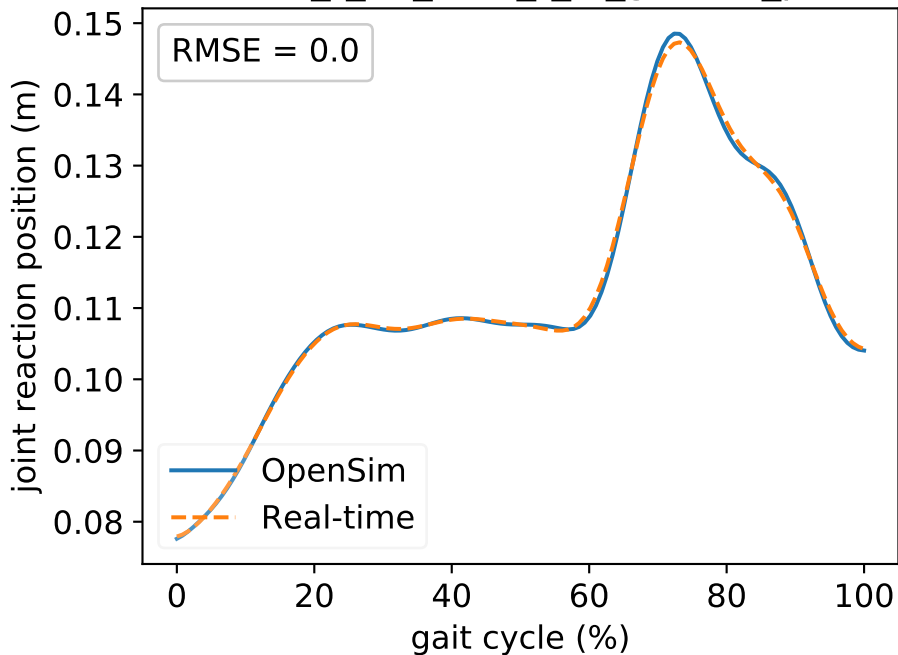
# knee\_r\_on\_tibia\_r\_in\_ground\_px



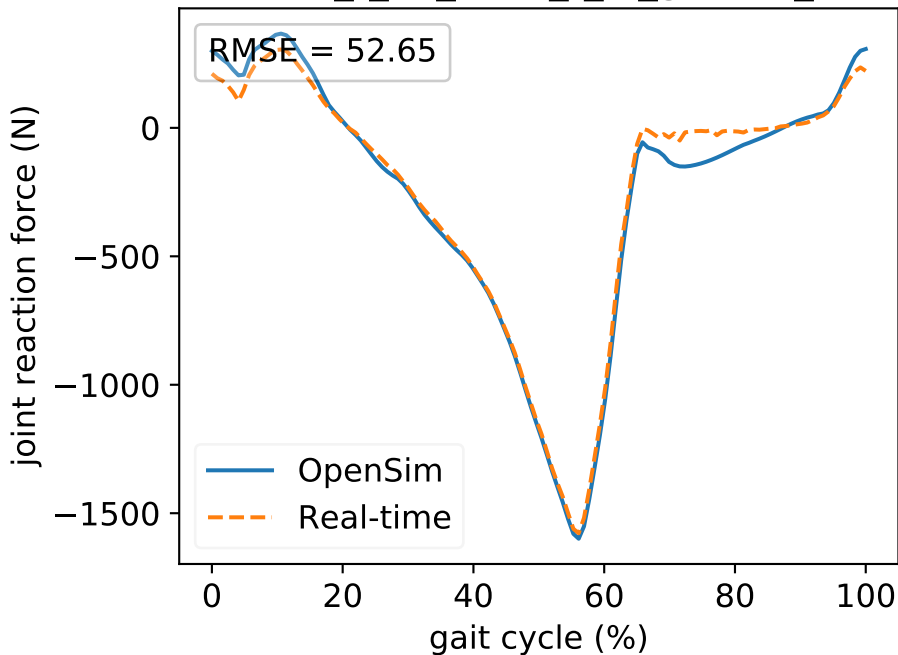
# knee\_r\_on\_tibia\_r\_in\_ground\_py



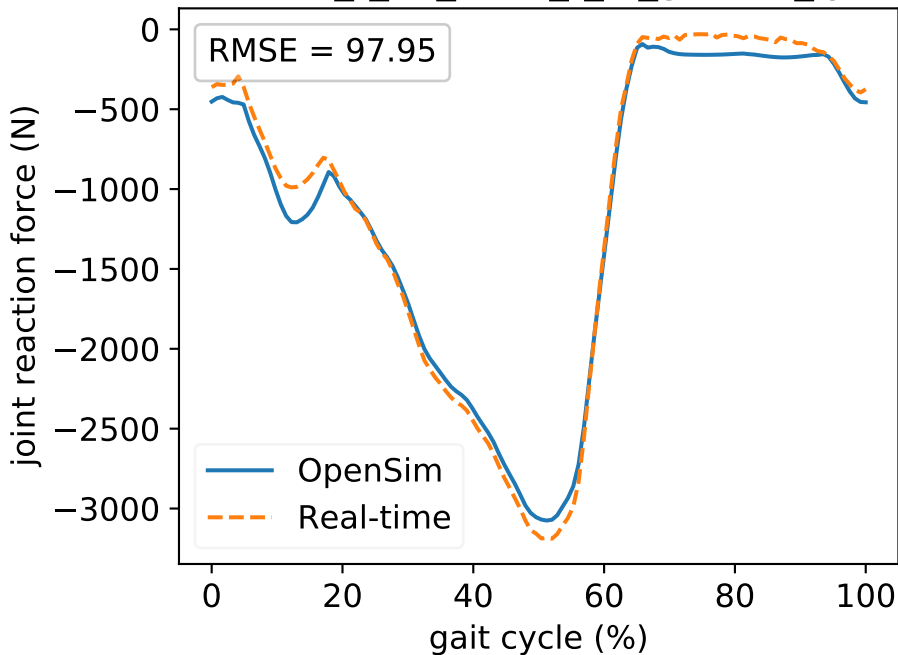
# knee\_r\_on\_tibia\_r\_in\_ground\_pz



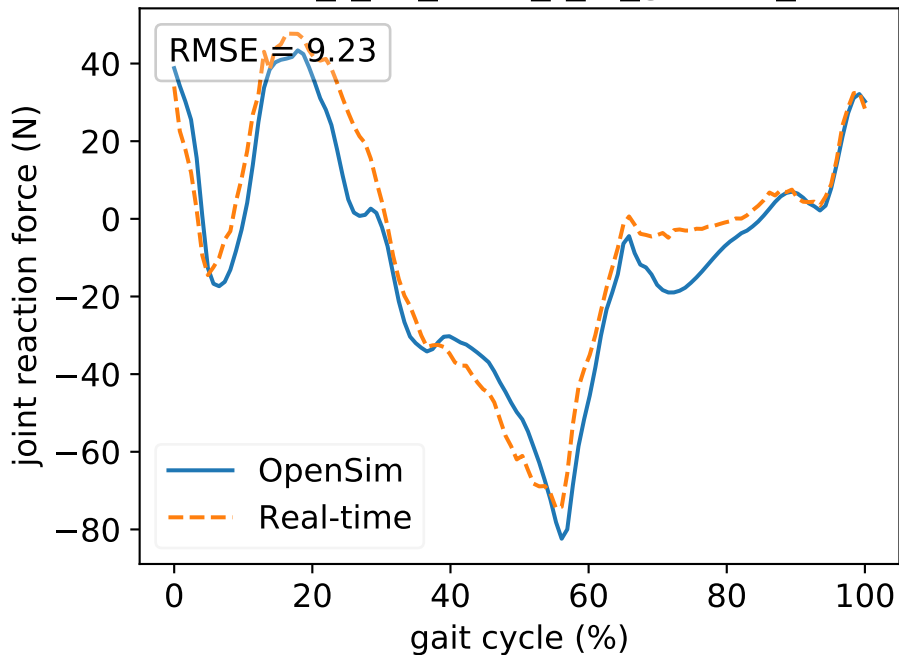
# ankle\_r\_on\_talus\_r\_in\_ground\_fx



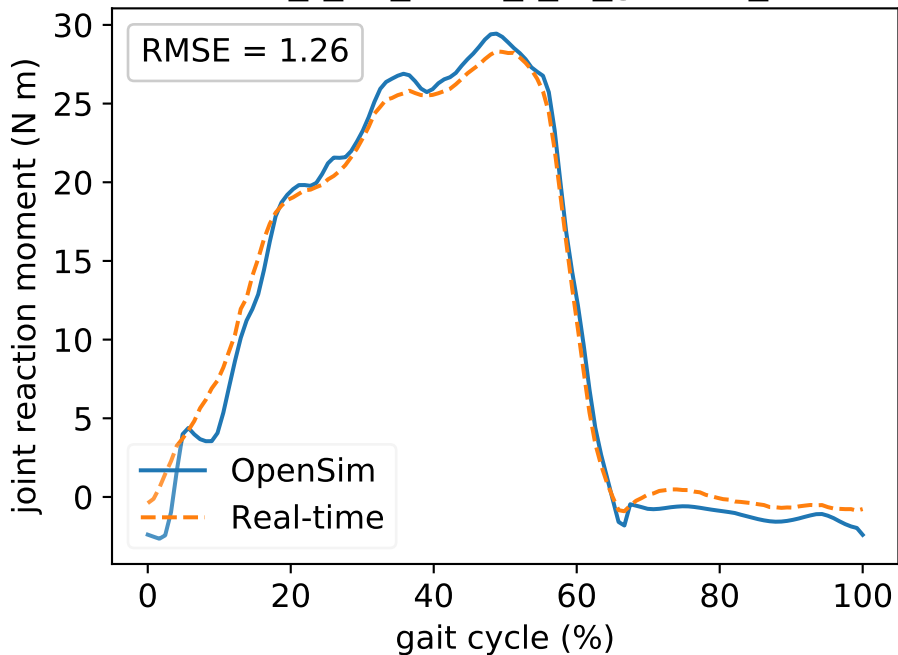
# ankle\_r\_on\_talus\_r\_in\_ground\_fy



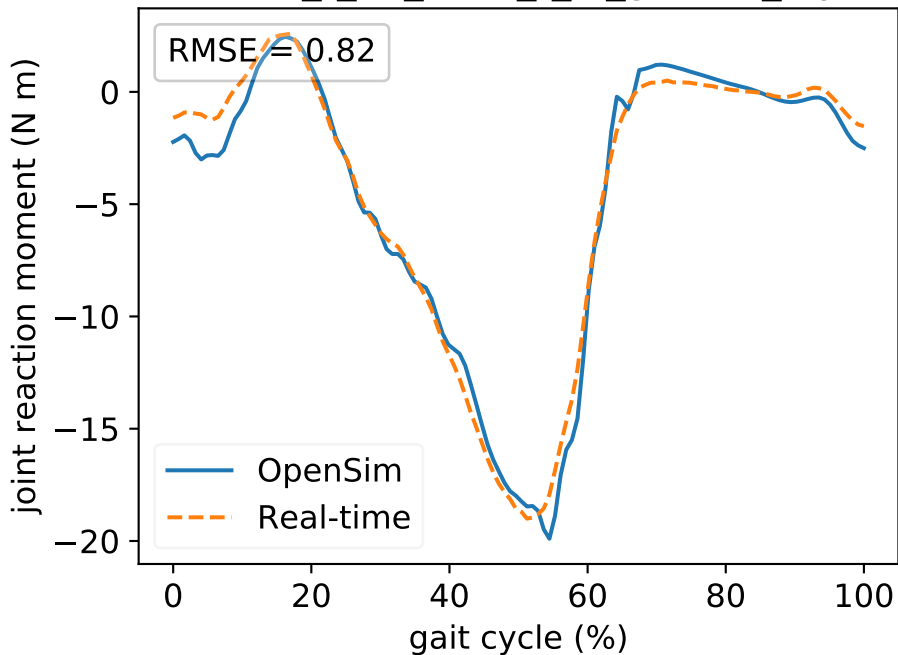
# ankle\_r\_on\_talus\_r\_in\_ground\_fz



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

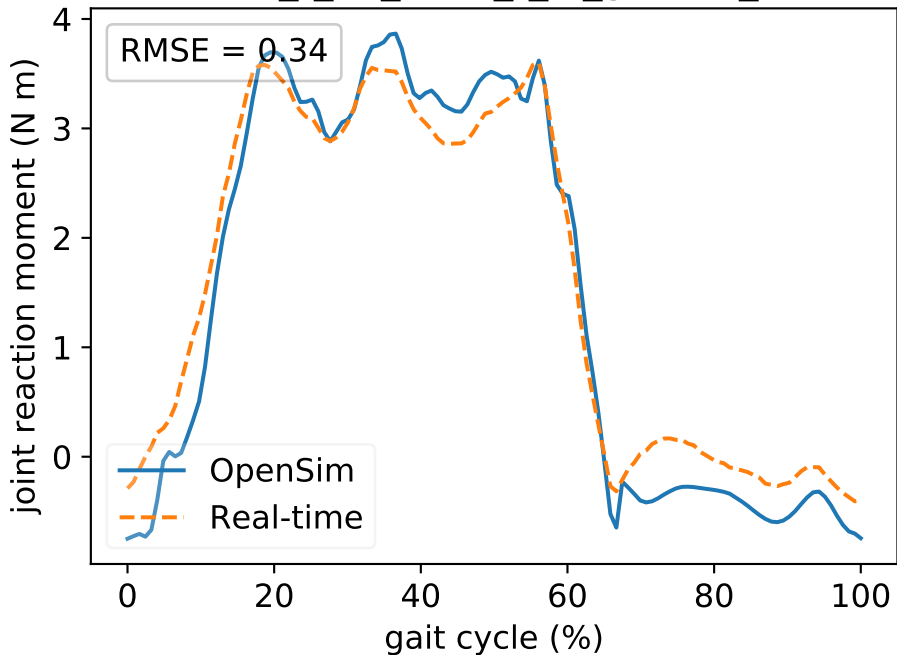


# ankle\_r\_on\_talus\_r\_in\_ground\_my

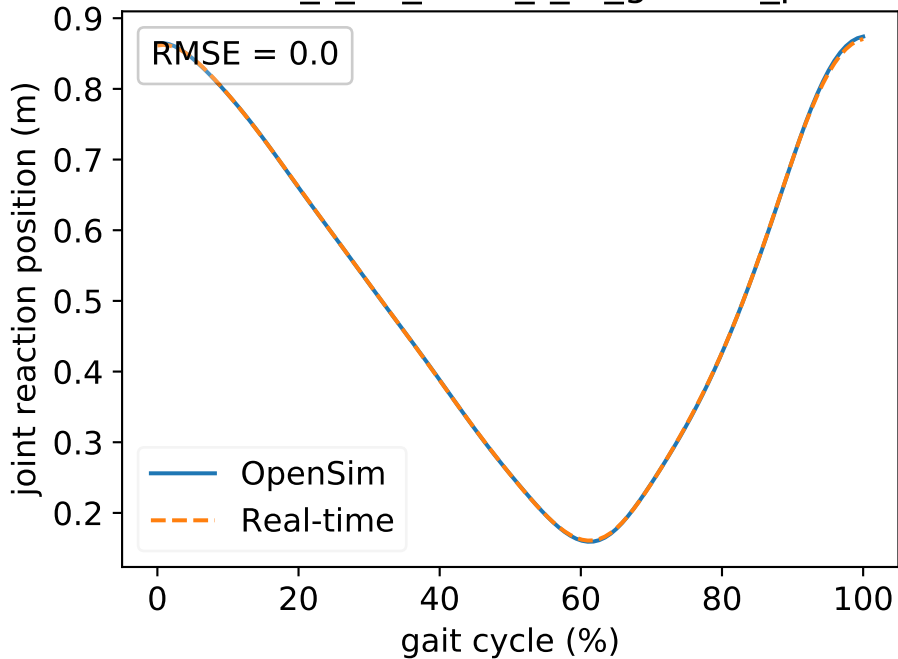




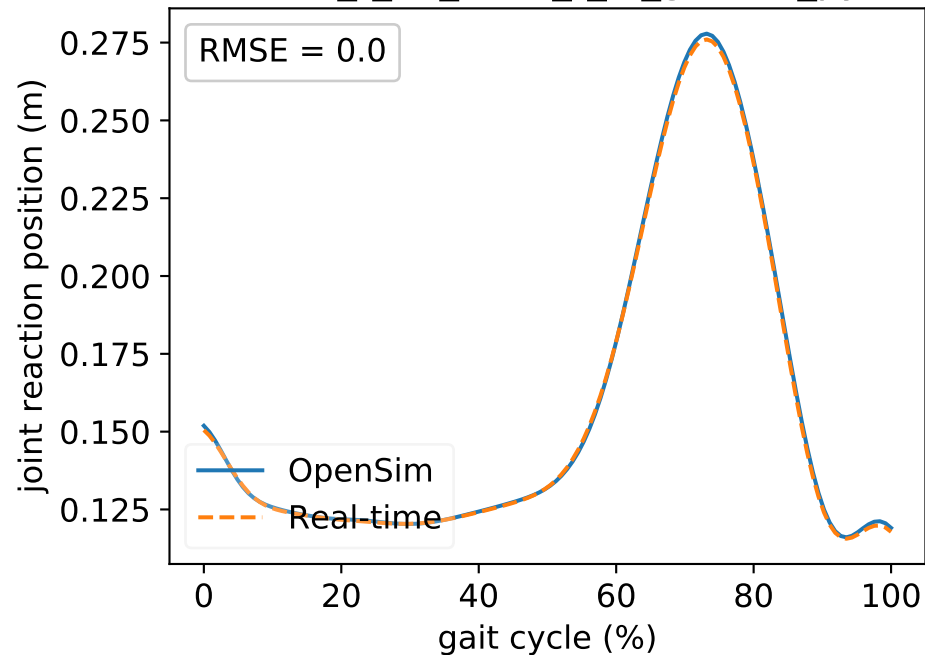
# ankle\_r\_on\_talus\_r\_in\_ground\_mz



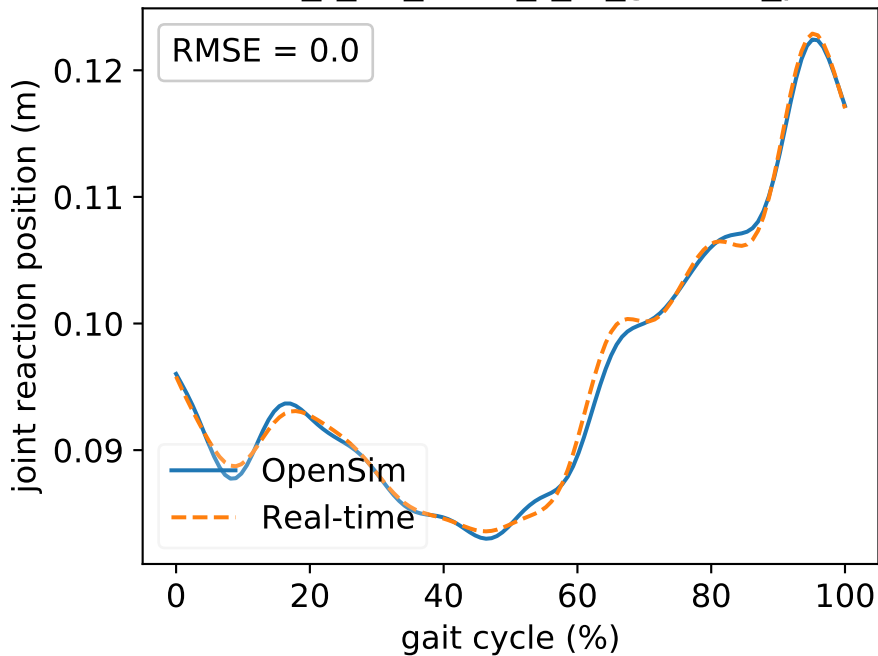
# ankle\_r\_on\_talus\_r\_in\_ground\_px



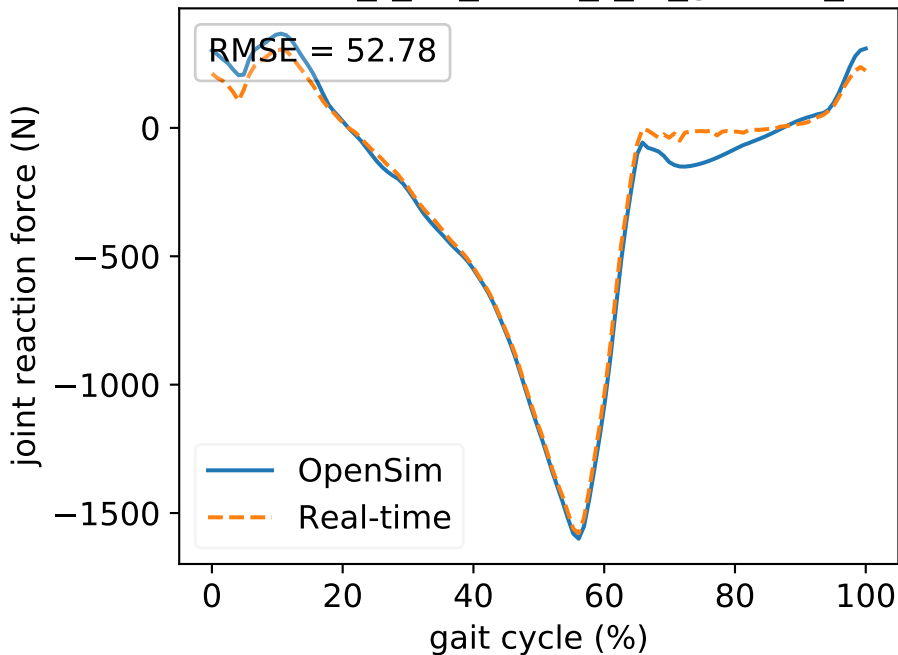
ankle\_r\_on\_talus\_r\_in\_ground\_py



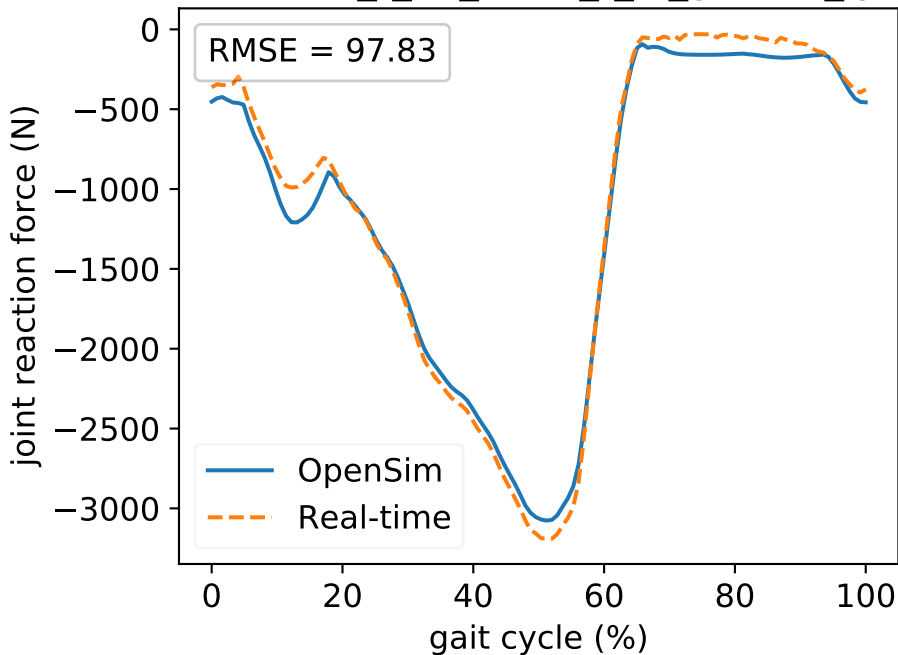
# ankle\_r\_on\_talus\_r\_in\_ground\_pz



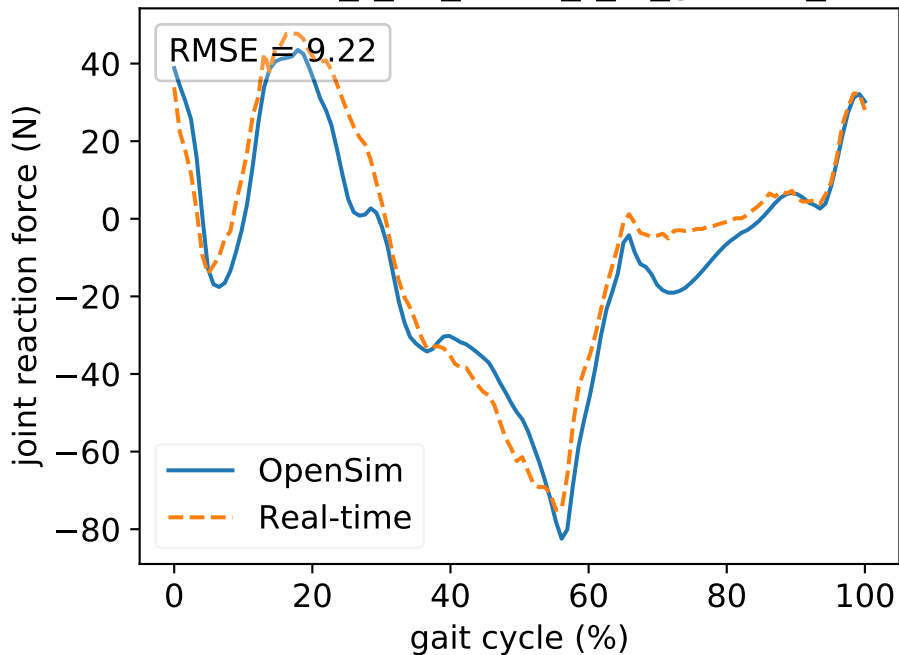
# subtalar\_r\_on\_calcn\_r\_in\_ground\_fx



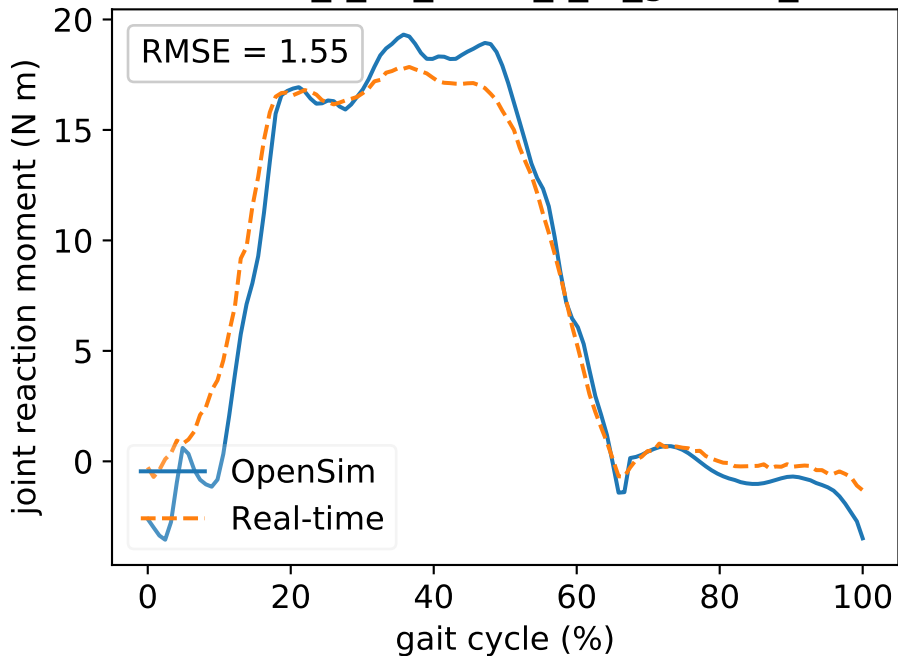
# subtalar\_r\_on\_calcn\_r\_in\_ground\_fy



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

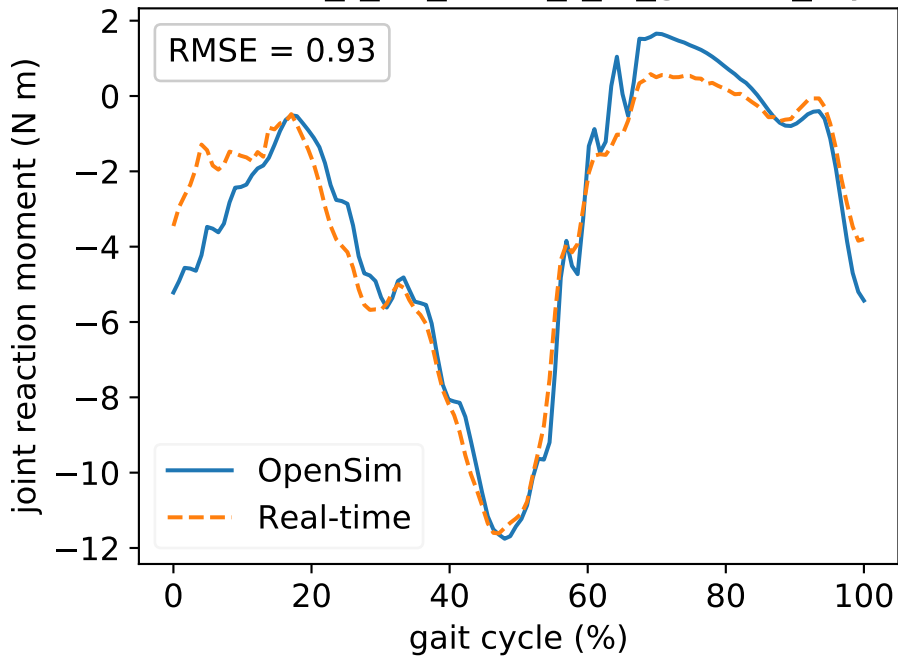


# subtalar\_r\_on\_calcn\_r\_in\_ground\_mx

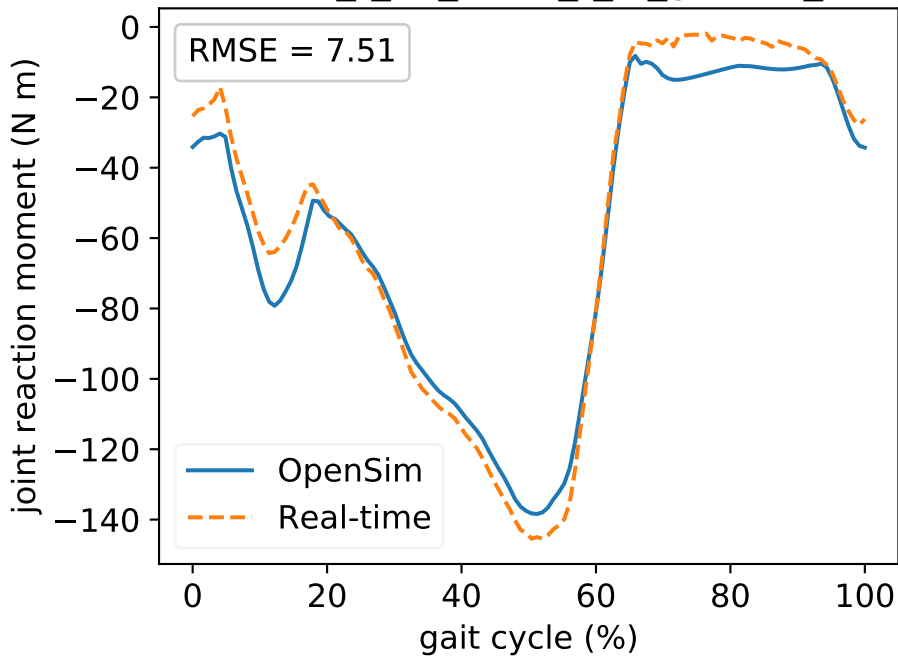




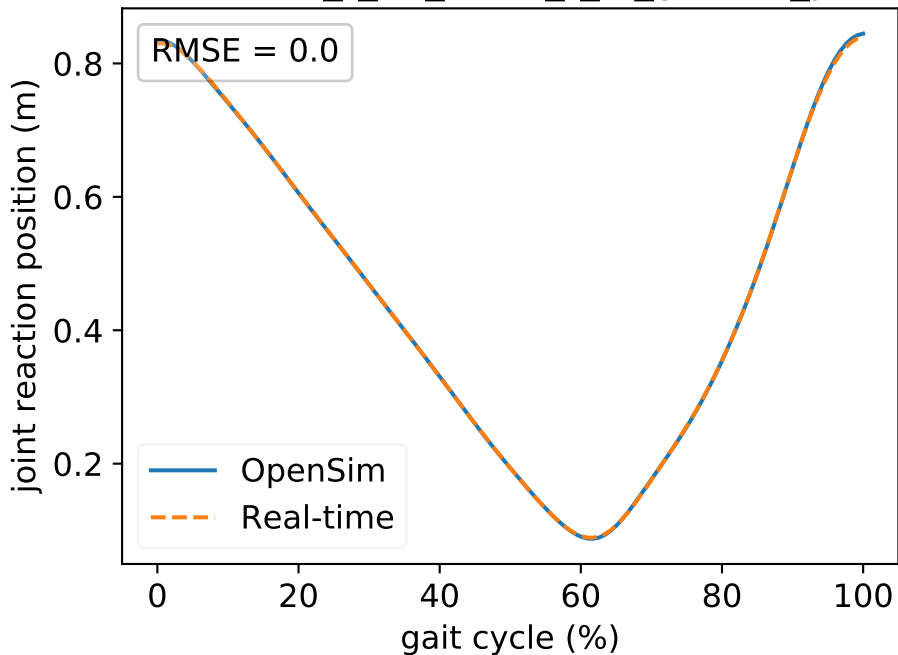
# subtalar\_r\_on\_calcn\_r\_in\_ground\_my



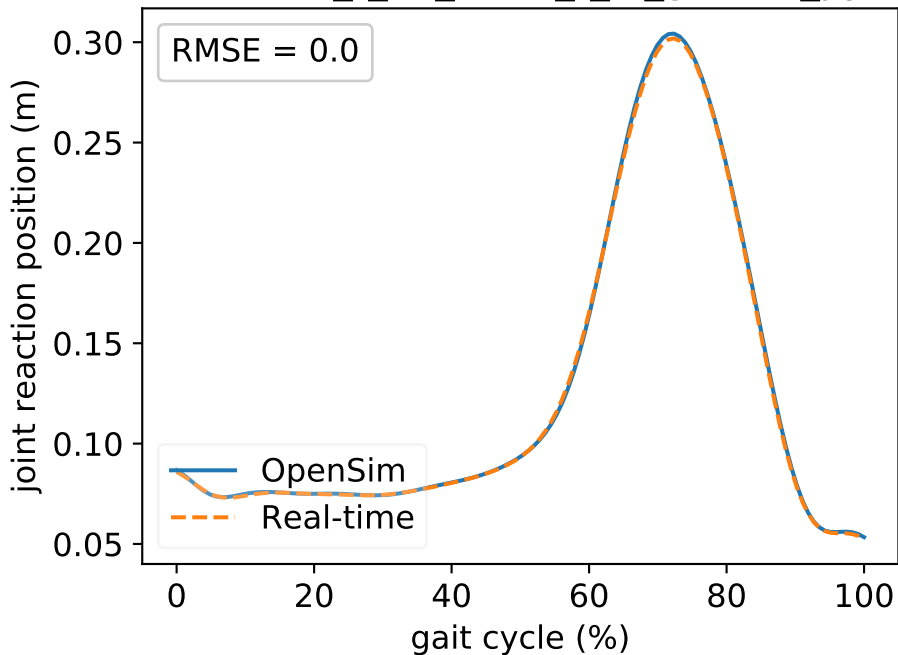
# subtalar\_r\_on\_calcn\_r\_in\_ground\_mz



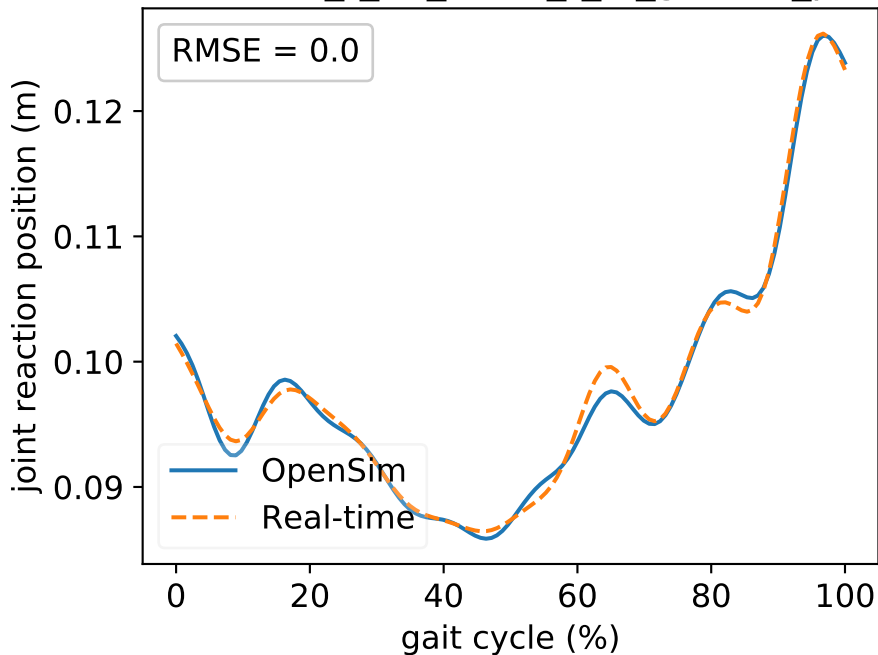
# subtalar\_r\_on\_calcn\_r\_in\_ground\_px



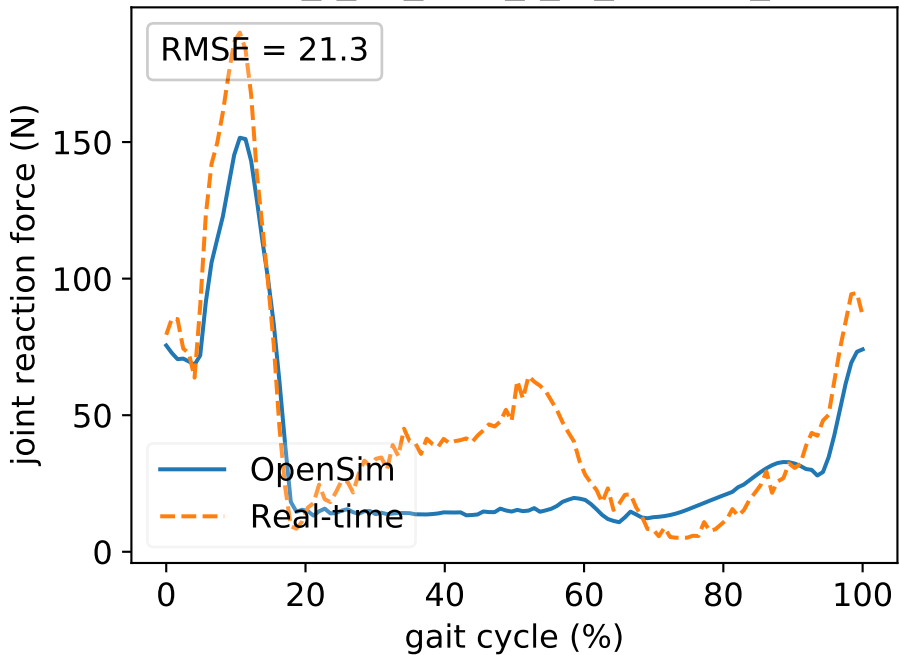
# subtalar\_r\_on\_calcn\_r\_in\_ground\_py



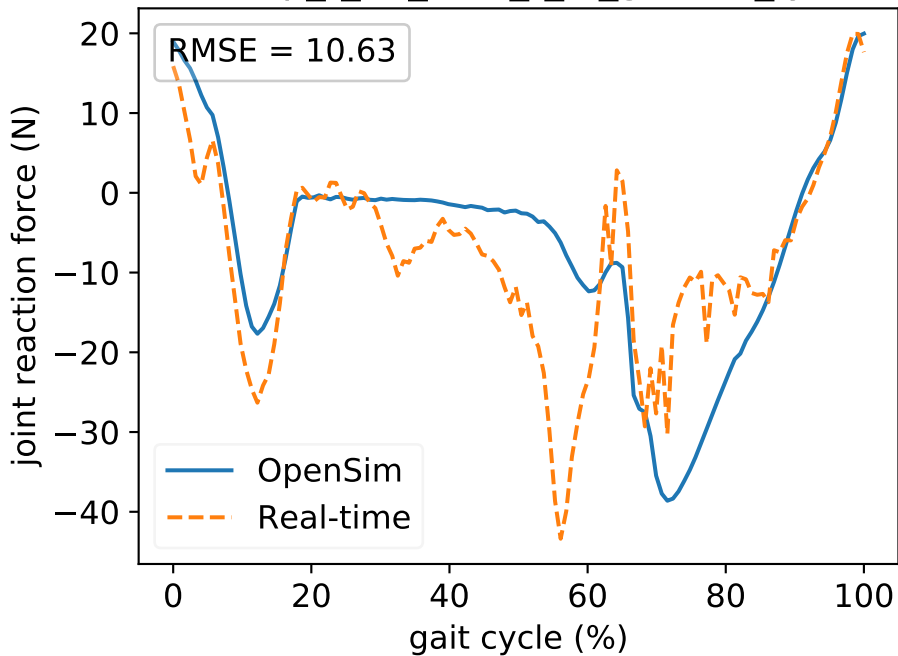
# subtalar\_r\_on\_calcn\_r\_in\_ground\_pz



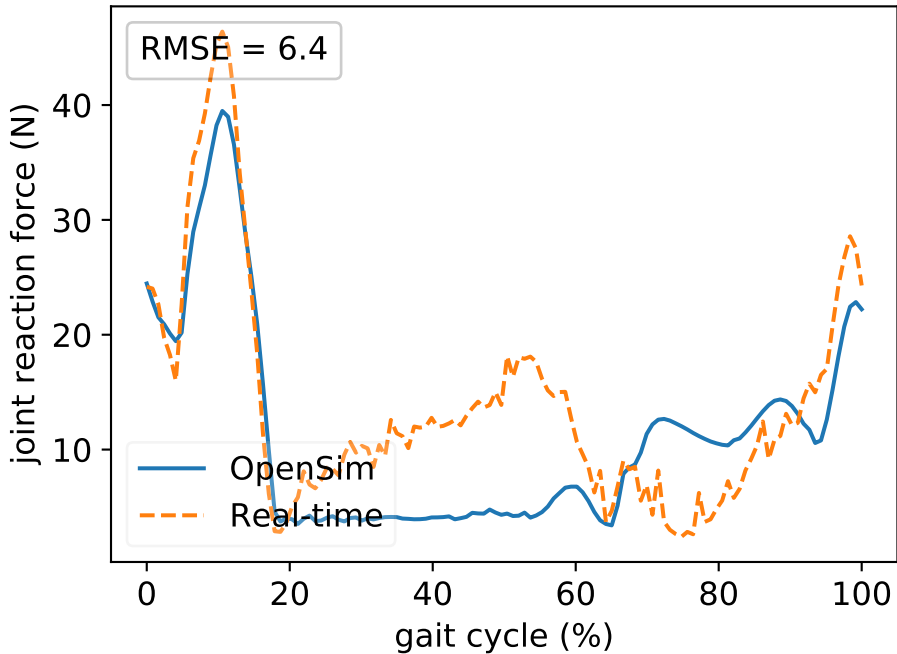
# mtp\_r\_on\_toes\_r\_in\_ground\_fx



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

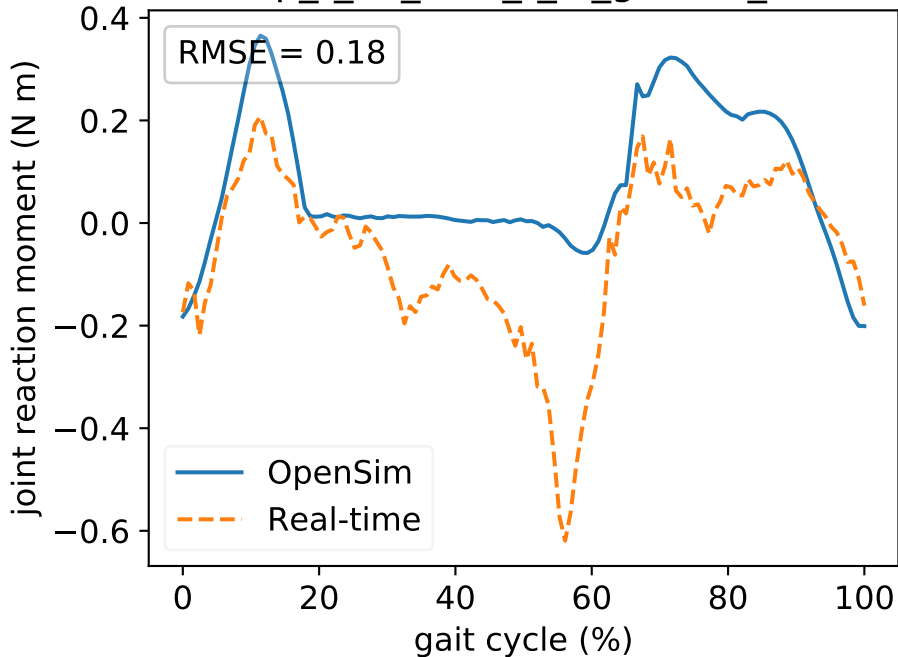


# mtp\_r\_on\_toes\_r\_in\_ground\_fz

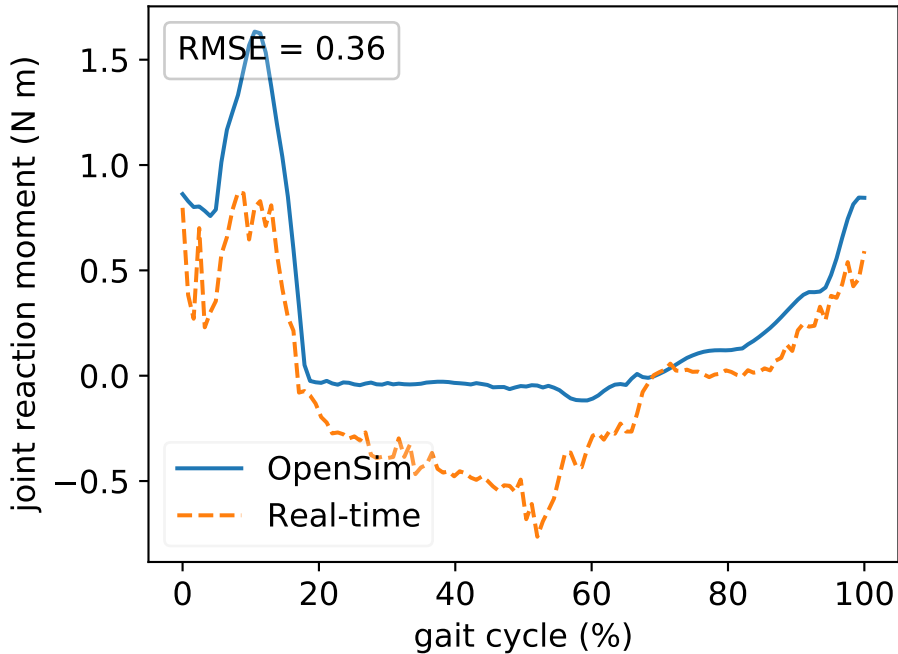




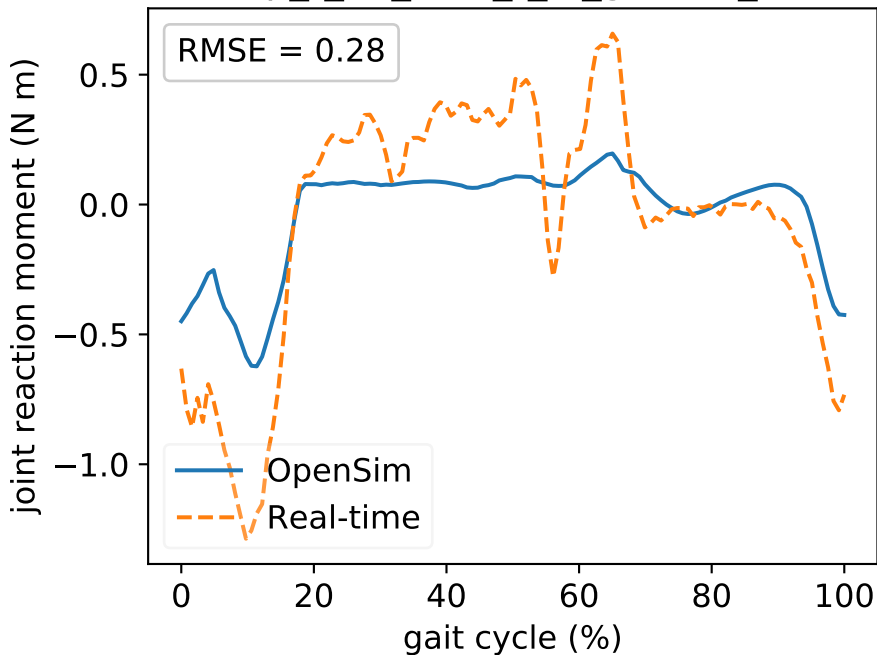
# mtp\_r\_on\_toes\_r\_in\_ground\_mx



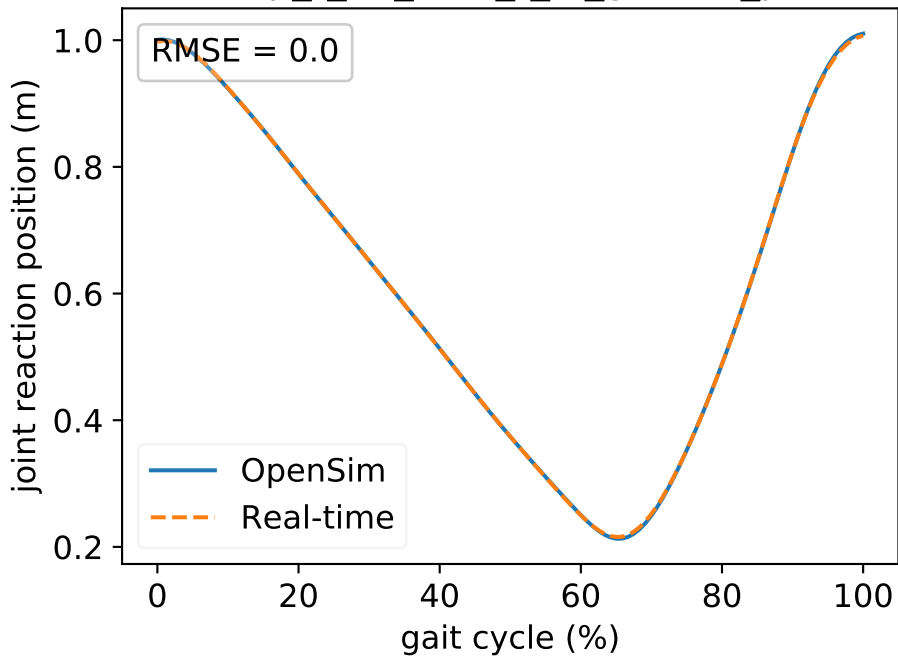
# mtp\_r\_on\_toes\_r\_in\_ground\_my



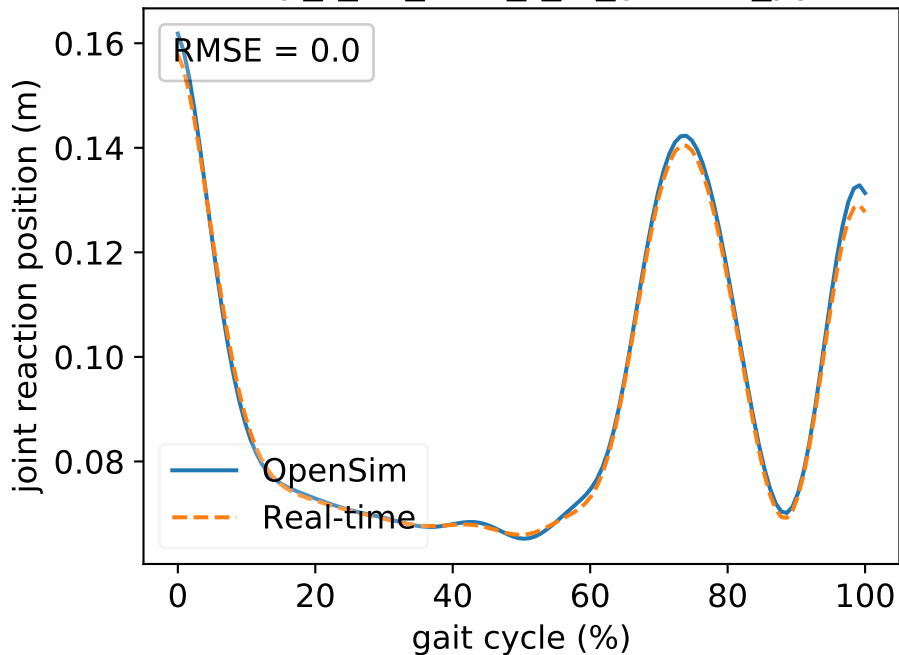
# mtp\_r\_on\_toes\_r\_in\_ground\_mz



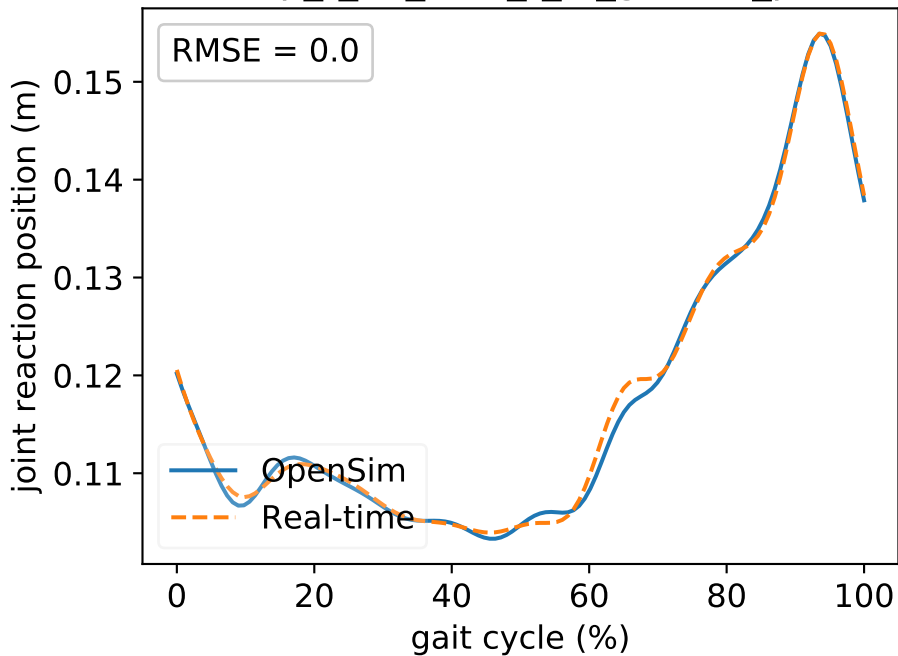
# mtp\_r\_on\_toes\_r\_in\_ground\_px



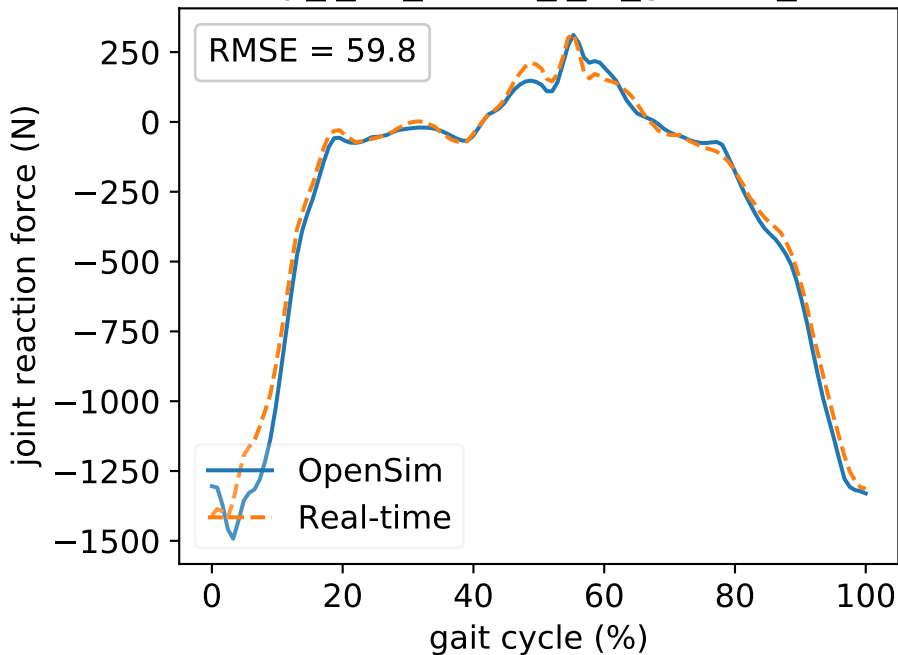
# mtp\_r\_on\_toes\_r\_in\_ground\_py



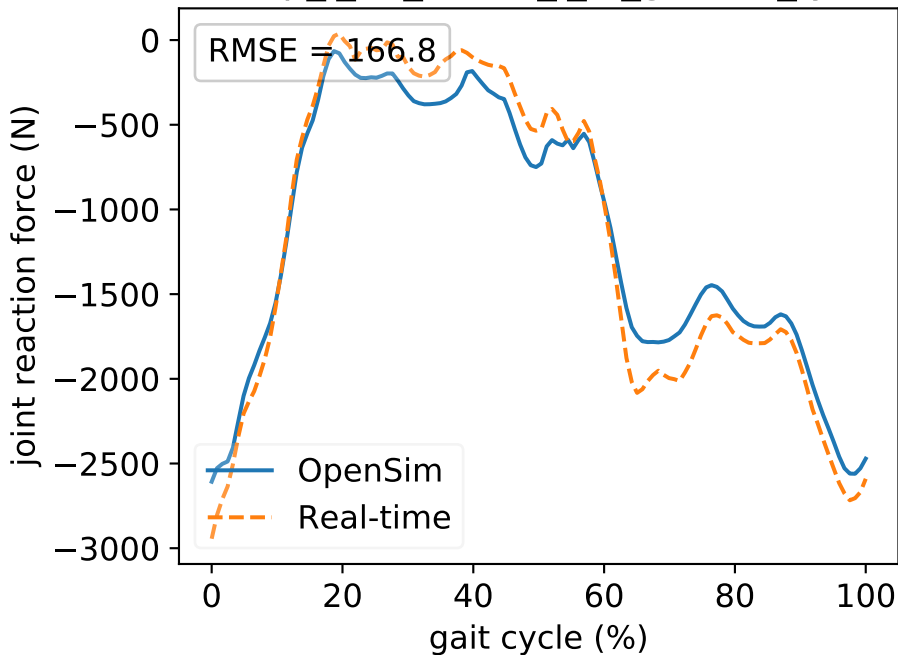
# mtp\_r\_on\_toes\_r\_in\_ground\_pz



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

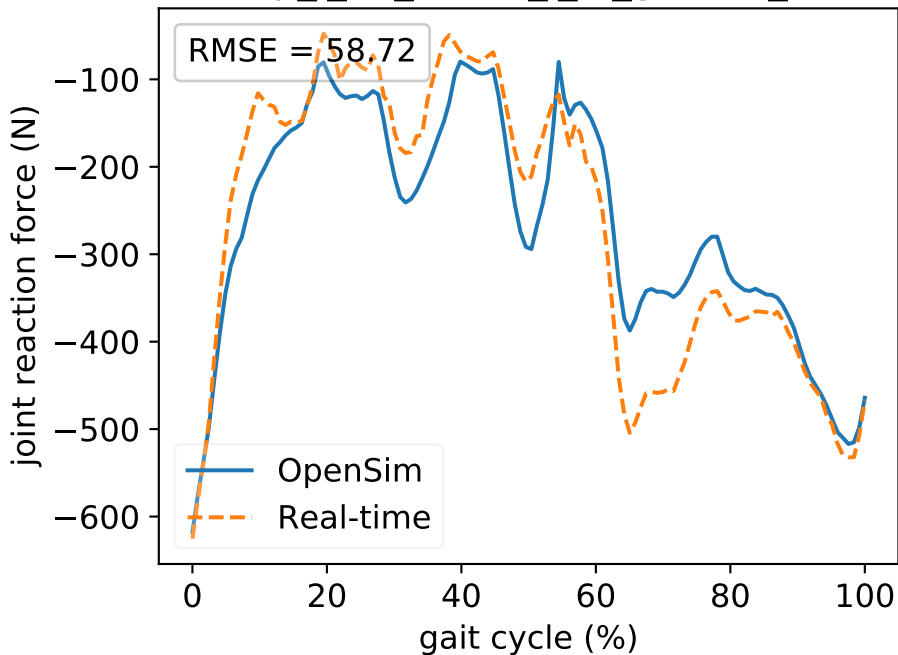


# hip\_l\_on\_femur\_l\_in\_ground\_fy

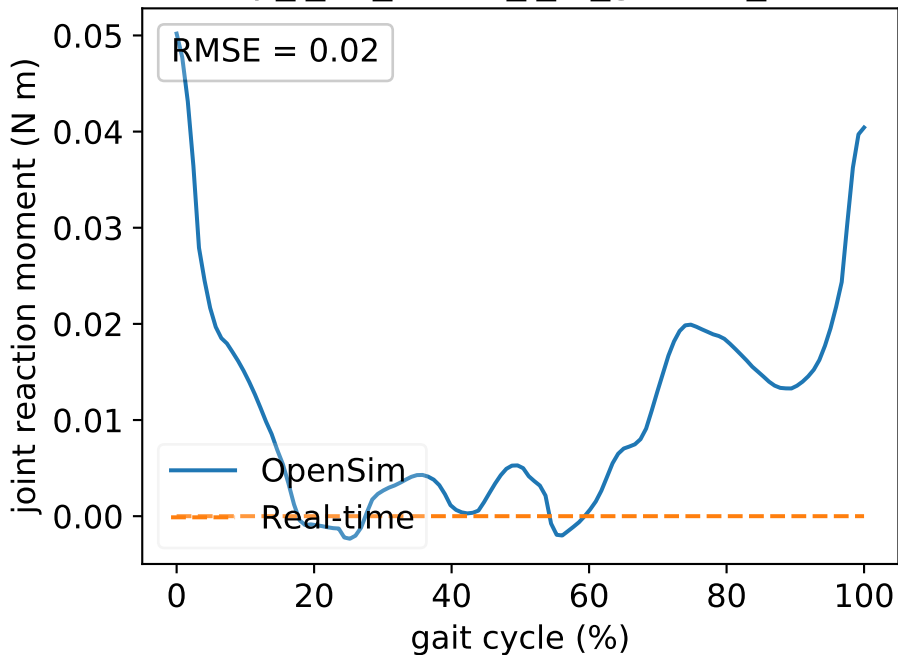




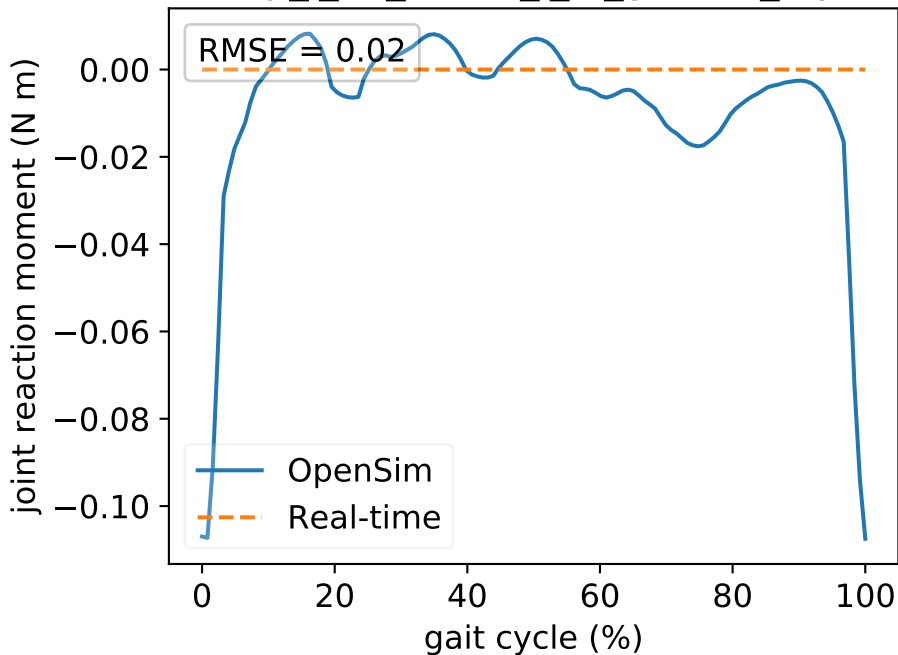
# hip\_l\_on\_femur\_l\_in\_ground\_fz



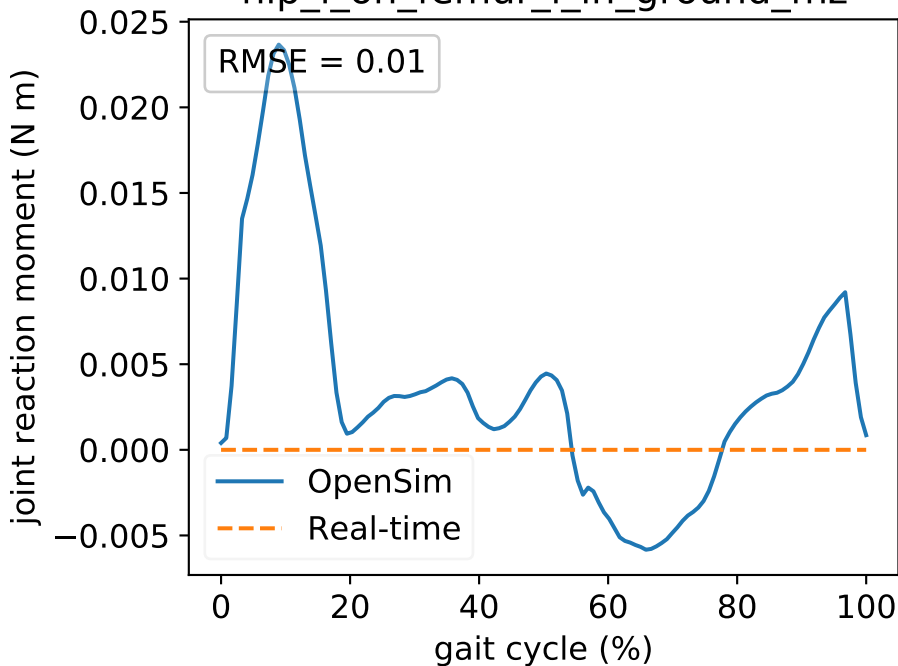
# hip\_l\_on\_femur\_l\_in\_ground\_mx



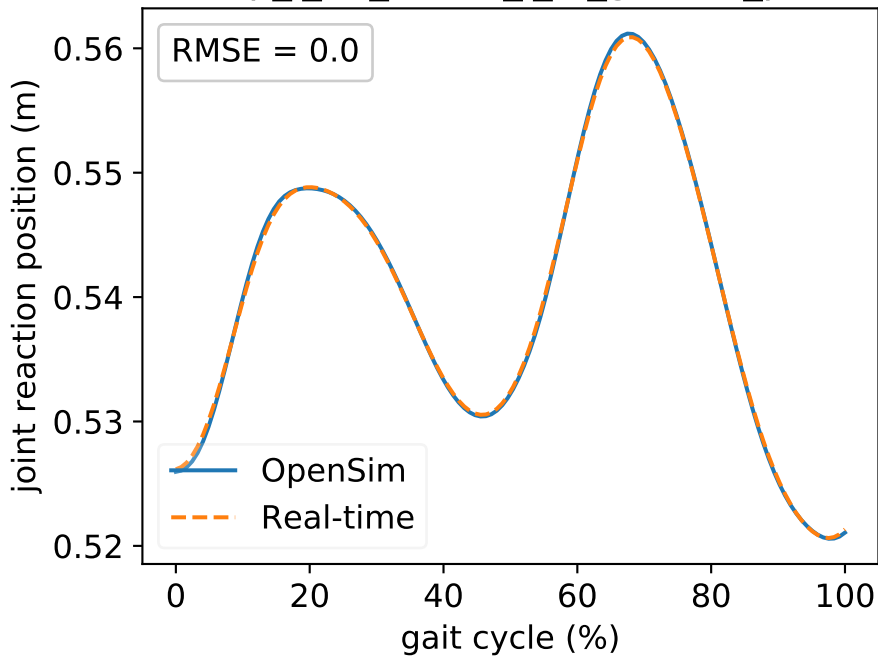
# hip\_l\_on\_femur\_l\_in\_ground\_my



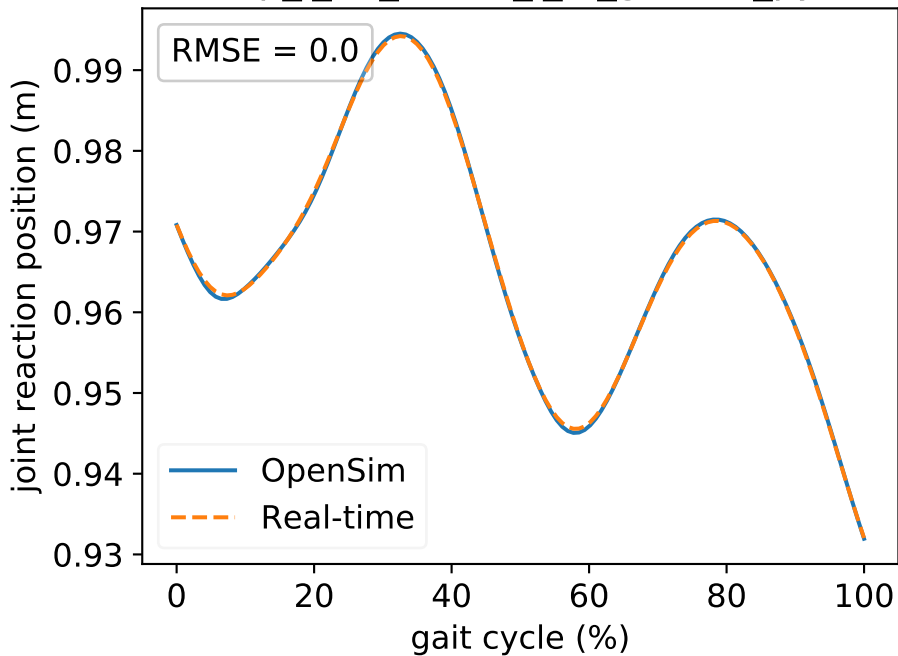
# hip\_l\_on\_femur\_l\_in\_ground\_mz



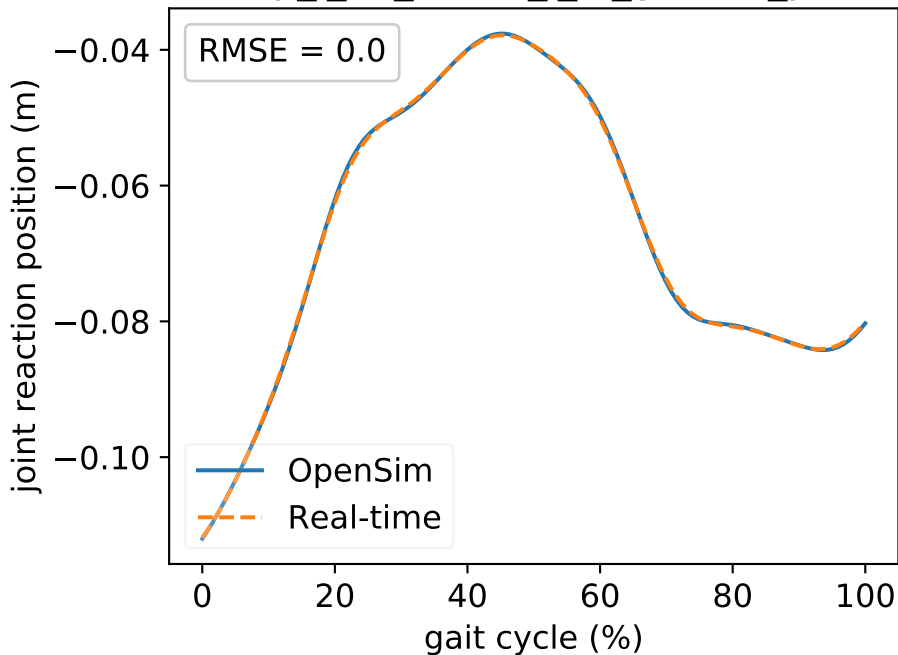
# hip\_l\_on\_femur\_l\_in\_ground\_px



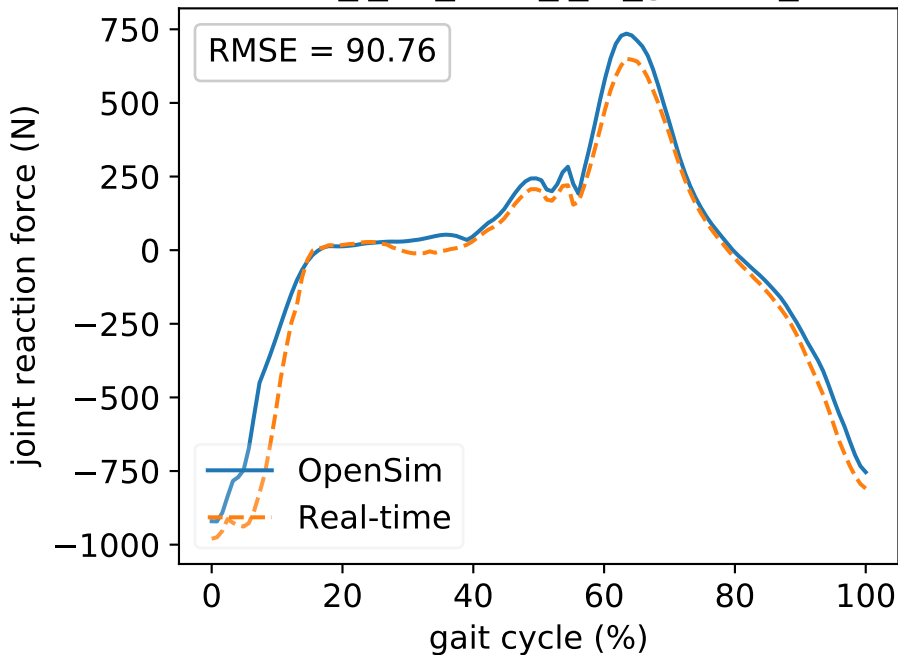
# hip\_l\_on\_femur\_l\_in\_ground\_py



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

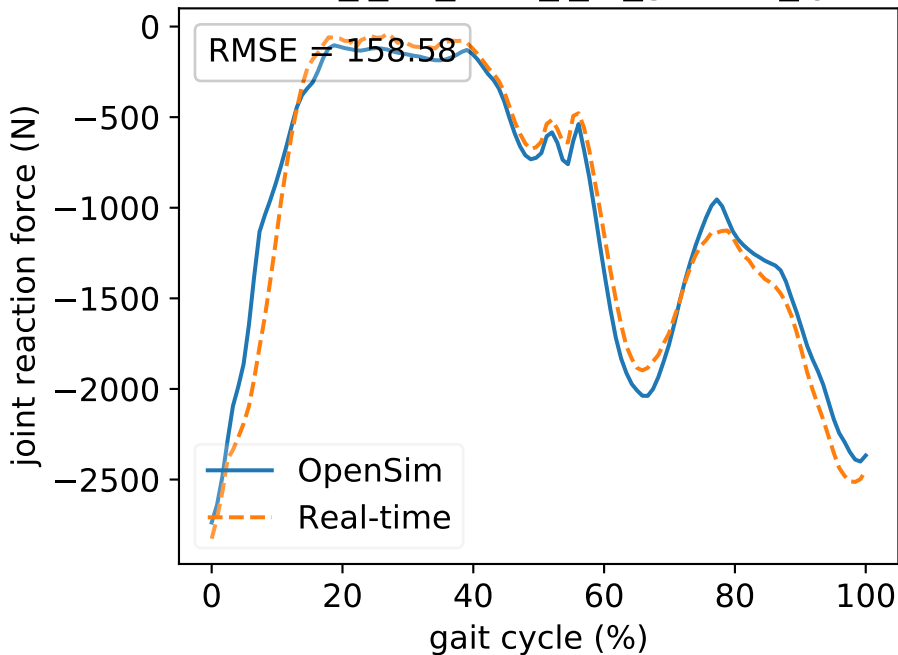


# knee\_l\_on\_tibia\_l\_in\_ground\_fx

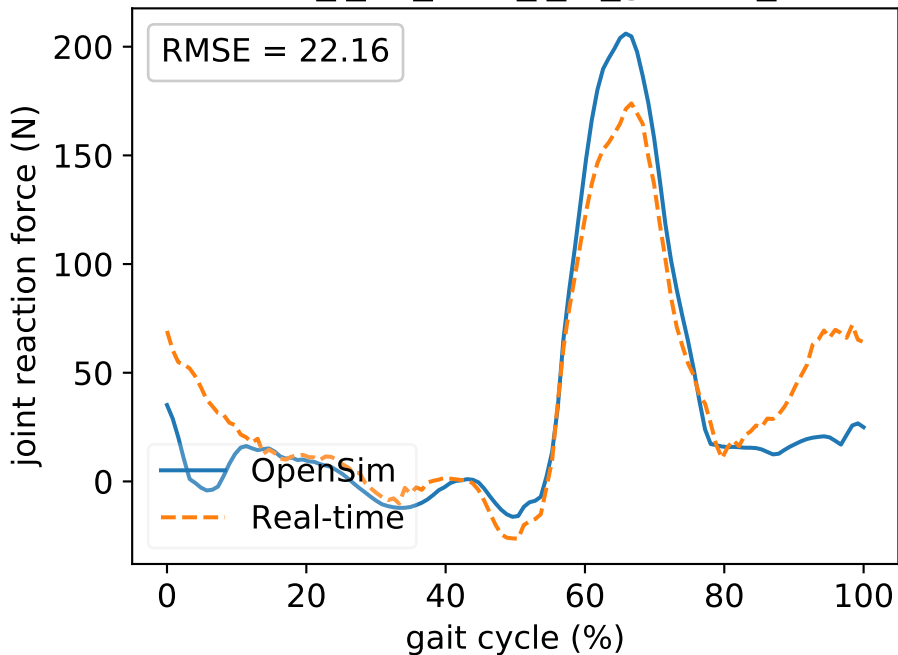




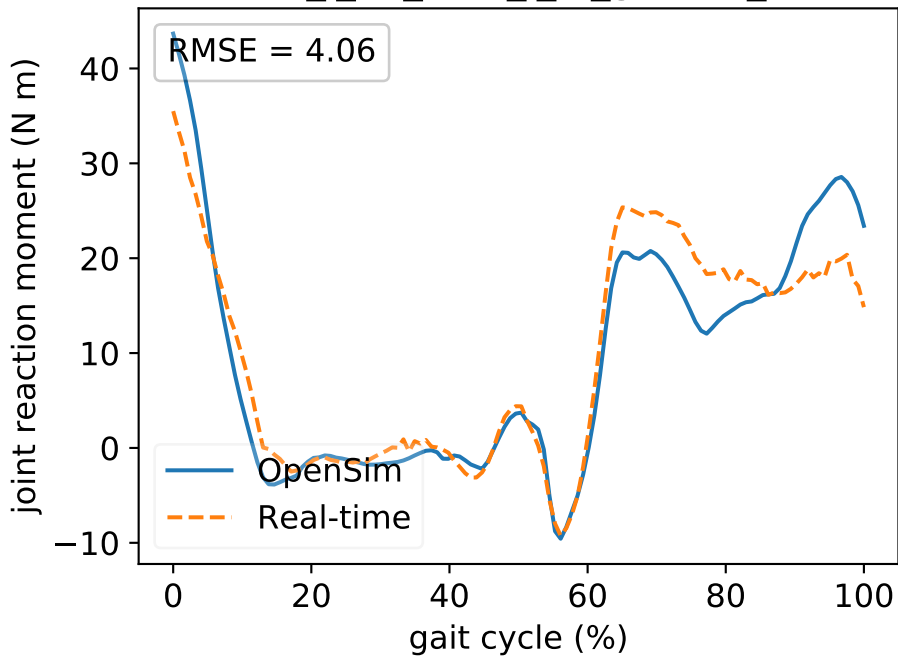
# knee\_l\_on\_tibia\_l\_in\_ground\_fy



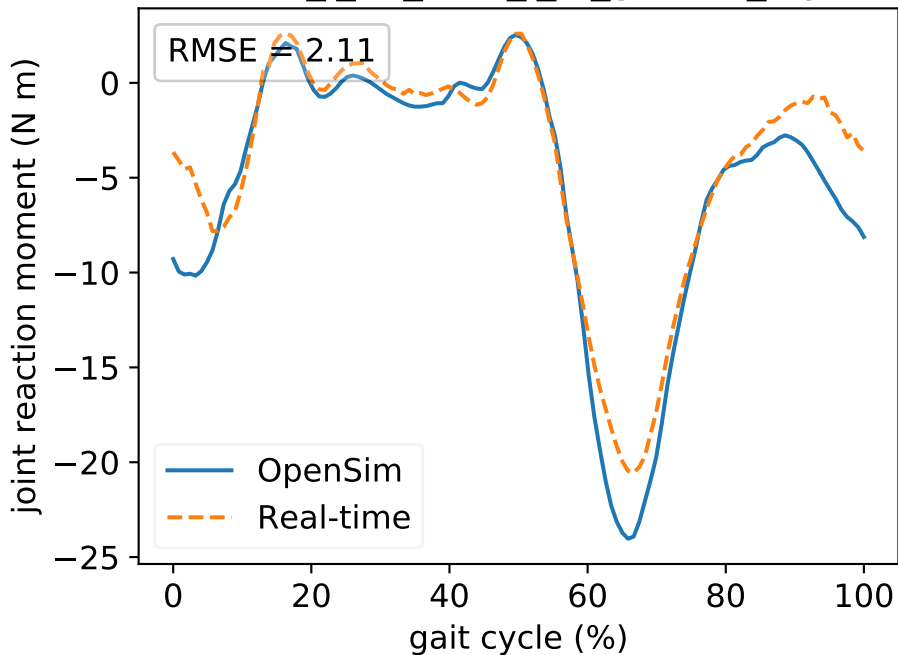
# knee\_l\_on\_tibia\_l\_in\_ground\_fz



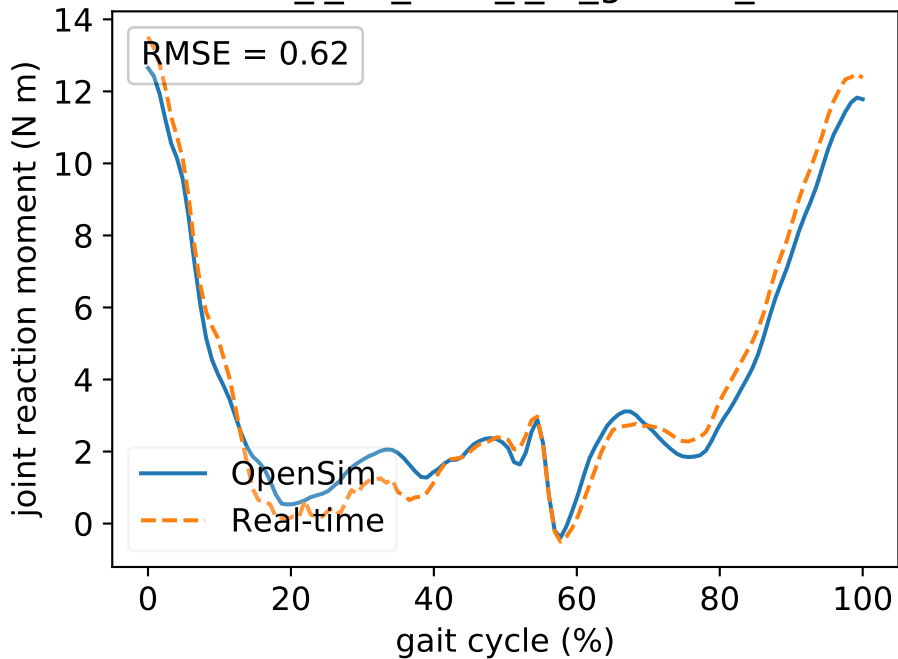
# knee\_l\_on\_tibia\_l\_in\_ground\_mx



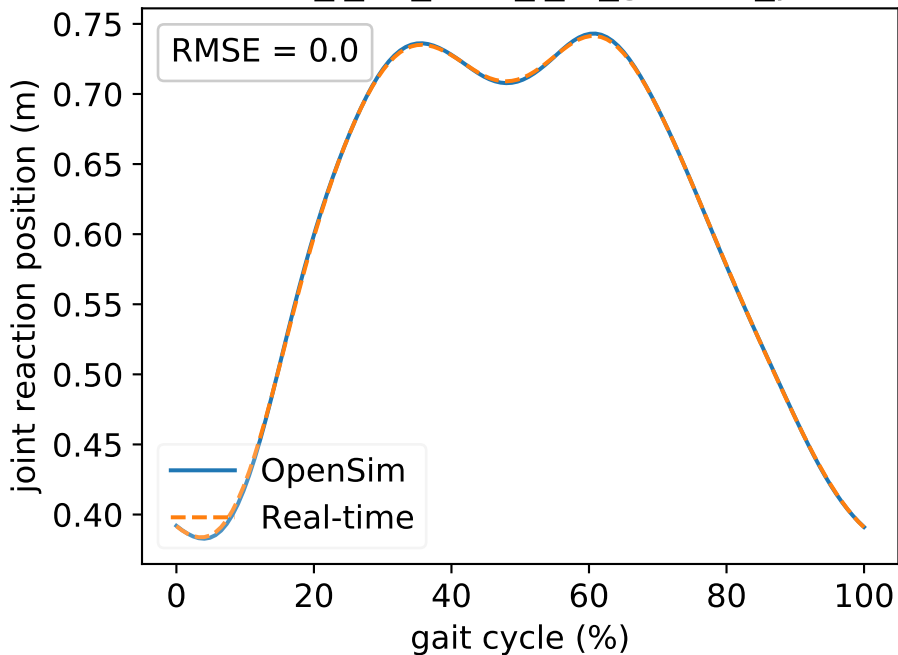
# knee\_l\_on\_tibia\_l\_in\_ground\_my



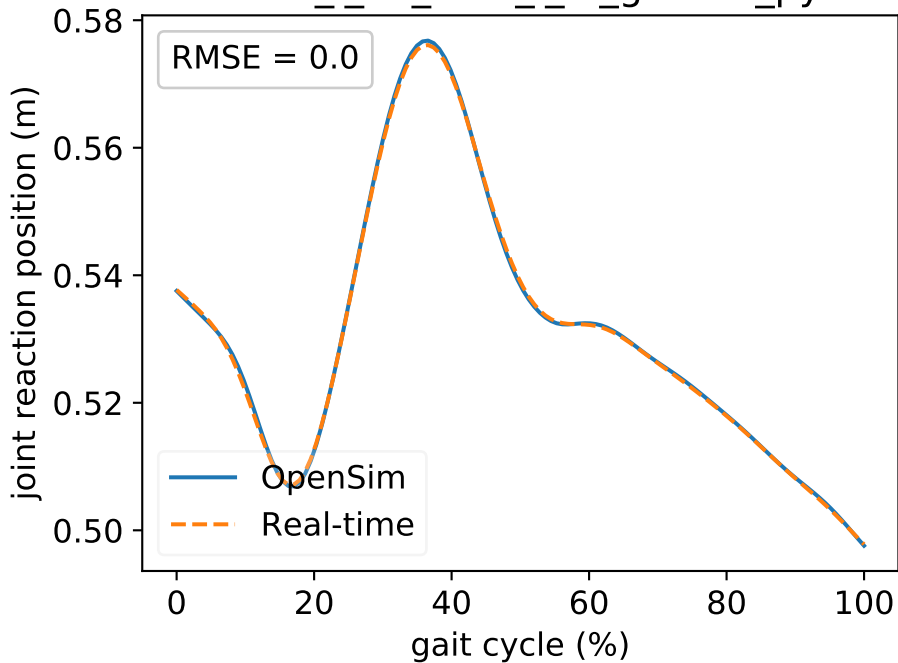
# knee\_l\_on\_tibia\_l\_in\_ground\_mz



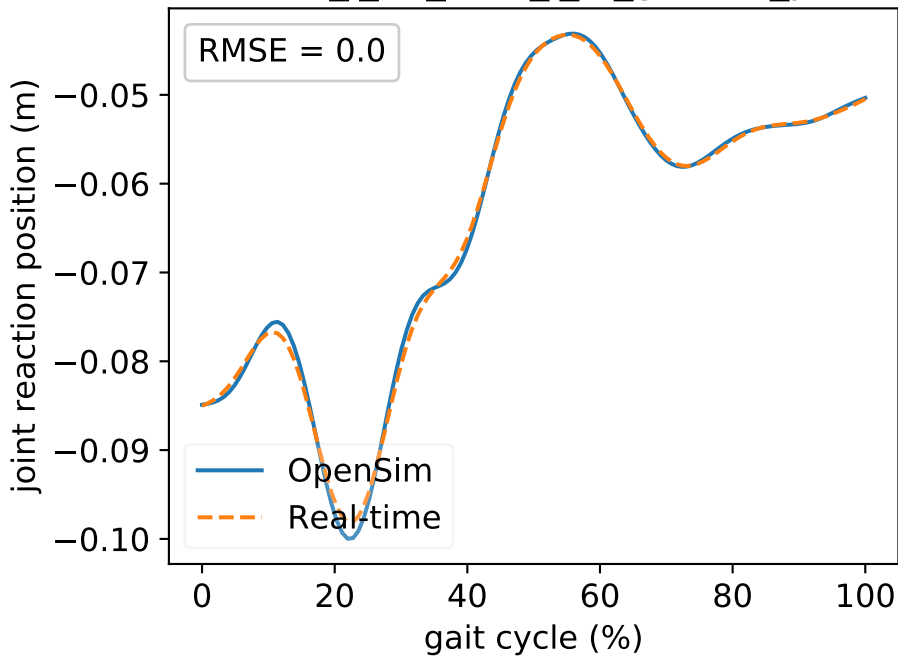
# knee\_l\_on\_tibia\_l\_in\_ground\_px



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

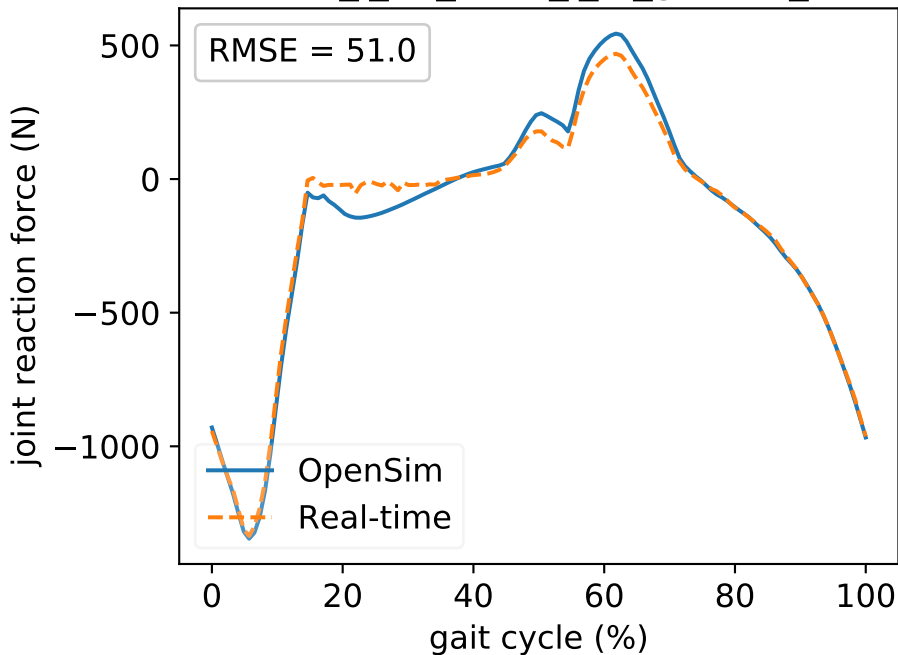


# knee\_l\_on\_tibia\_l\_in\_ground\_pz

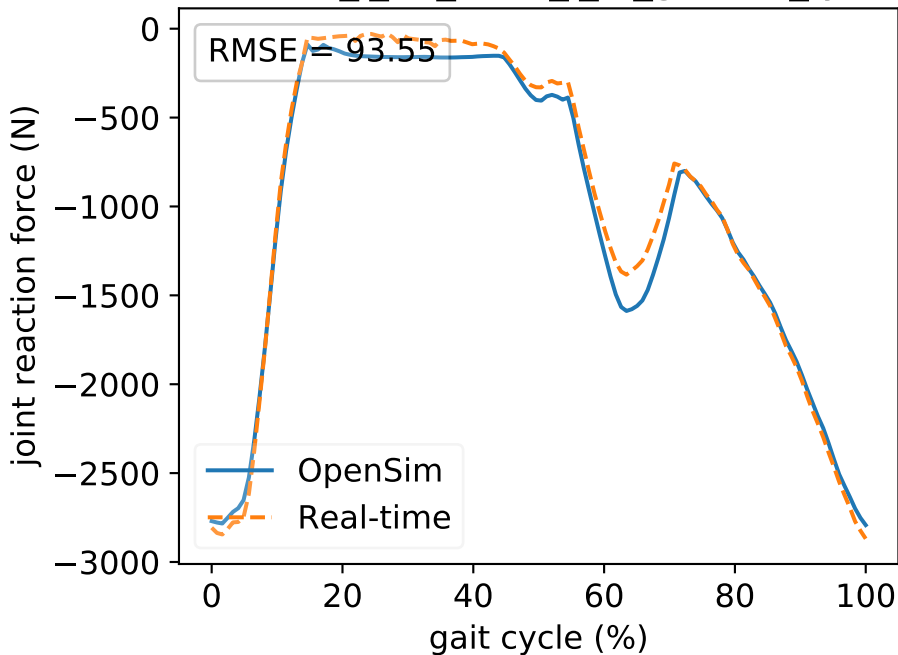




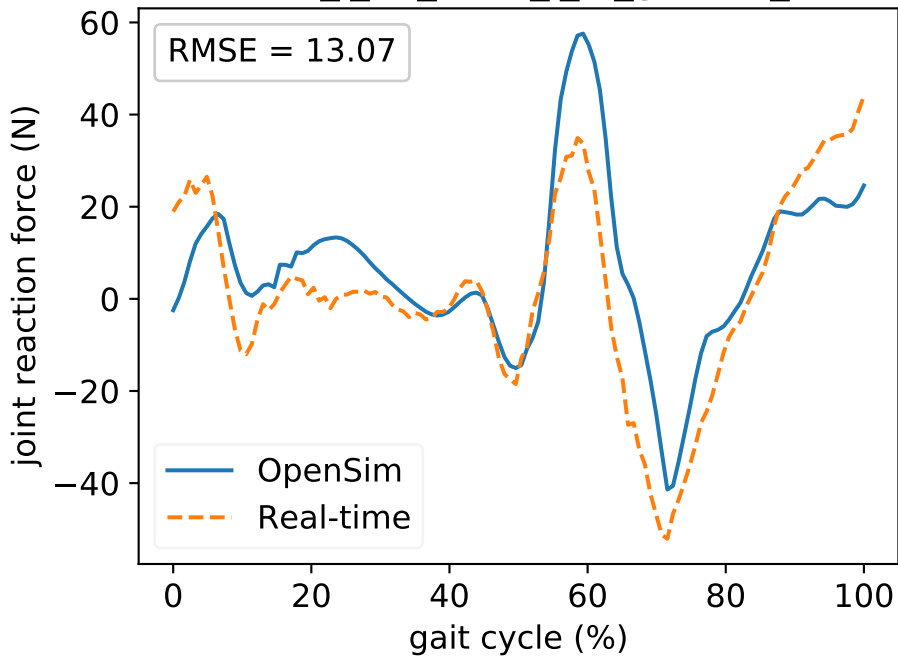
# ankle\_l\_on\_talus\_l\_in\_ground\_fx



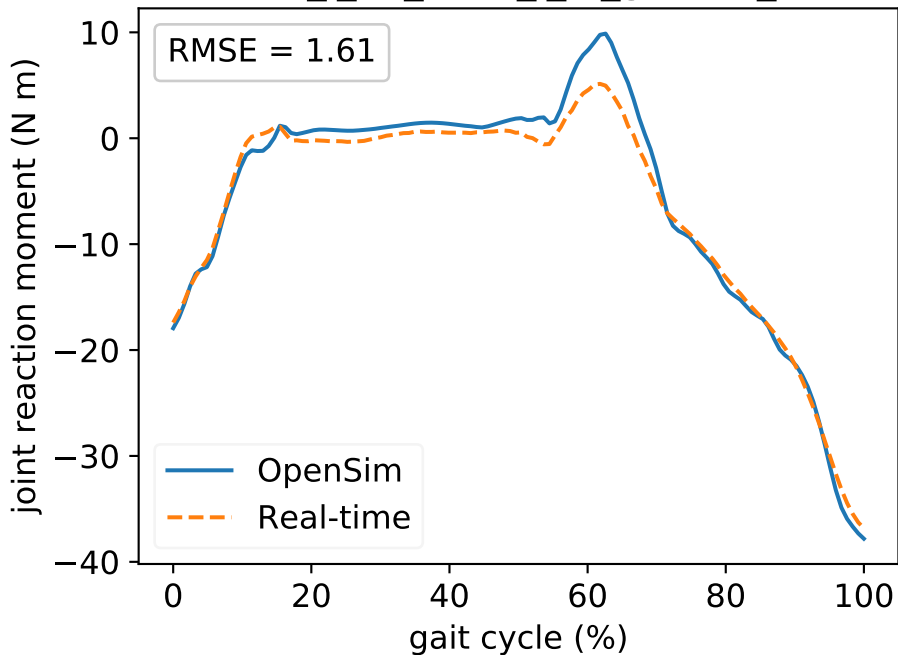
# ankle\_l\_on\_talus\_l\_in\_ground\_fy



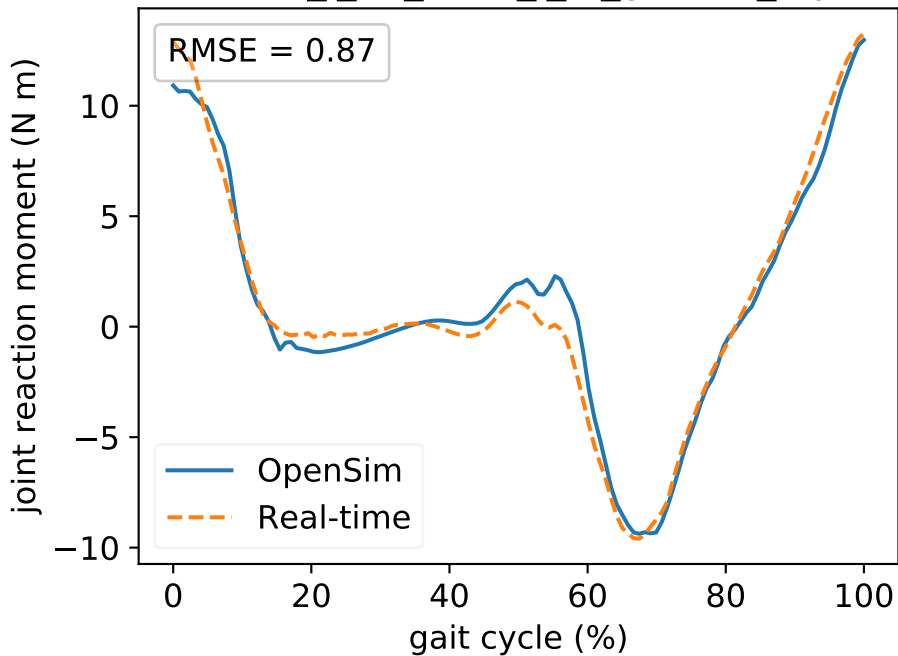
# ankle\_l\_on\_talus\_l\_in\_ground\_fz



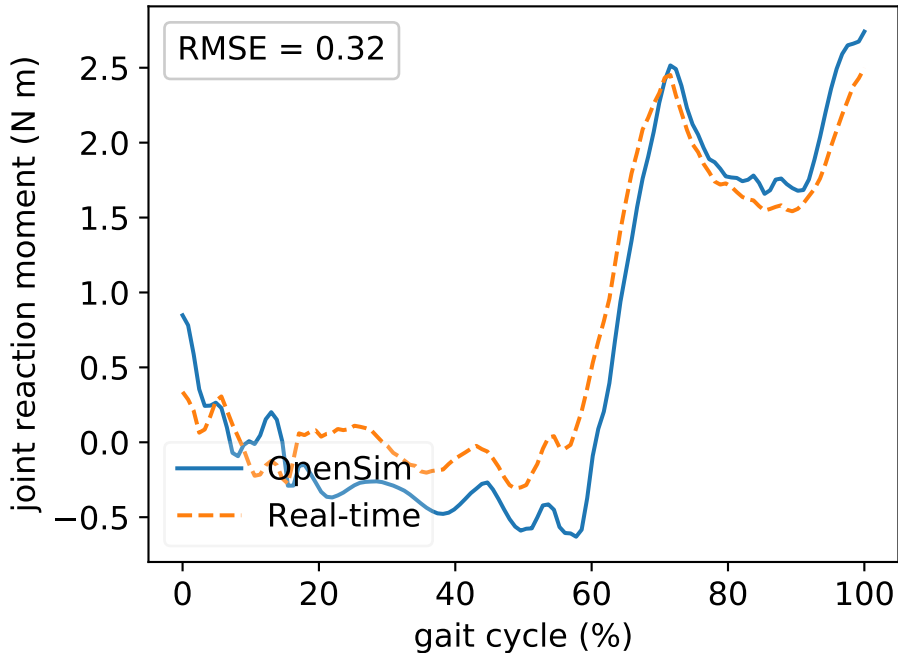
# ankle\_l\_on\_talus\_l\_in\_ground\_mx



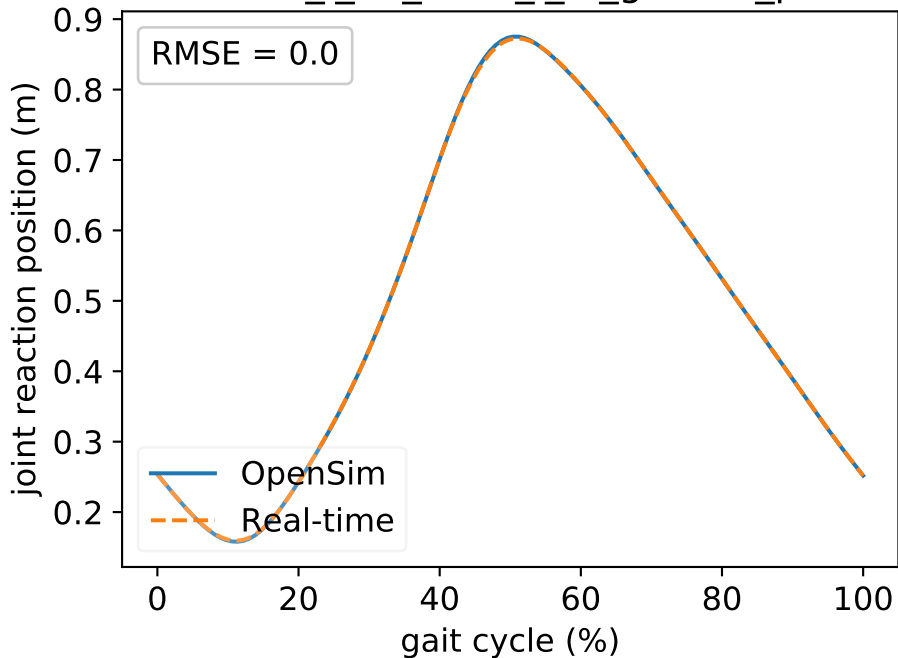
# ankle\_l\_on\_talus\_l\_in\_ground\_my



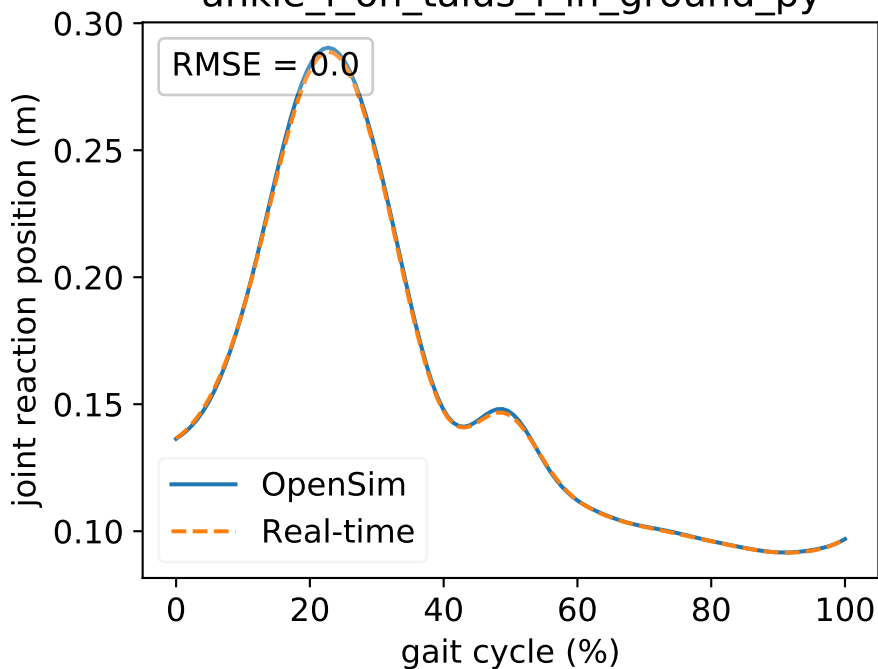
# ankle\_l\_on\_talus\_l\_in\_ground\_mz



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

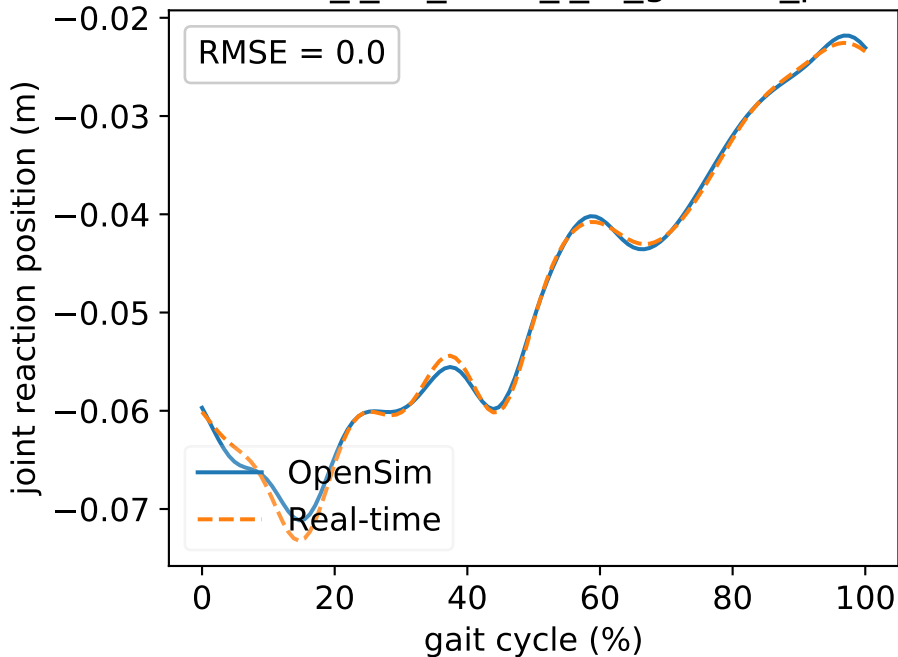


# ankle\_l\_on\_talus\_l\_in\_ground\_py

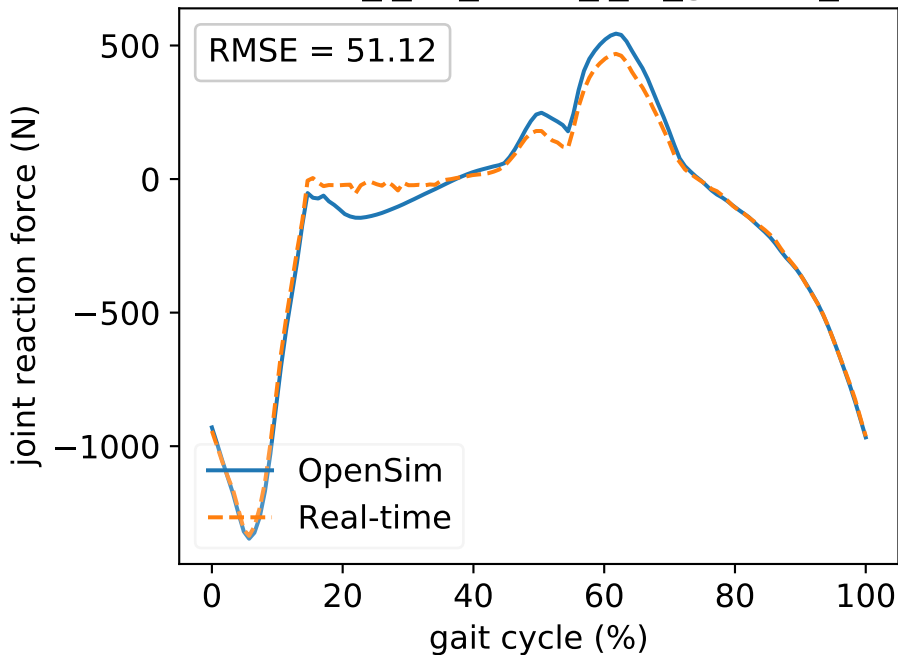




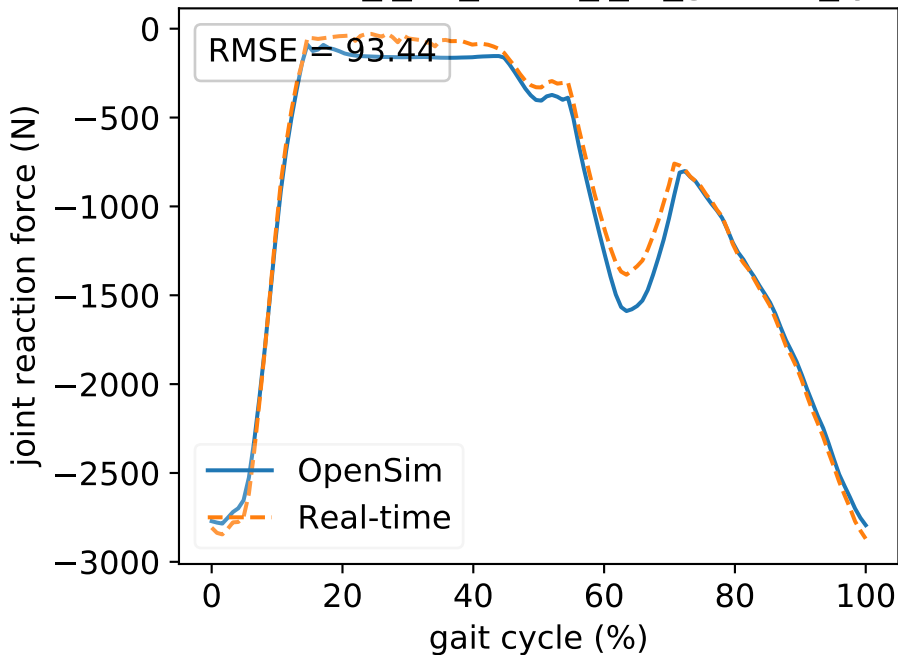
# ankle\_l\_on\_talus\_l\_in\_ground\_pz



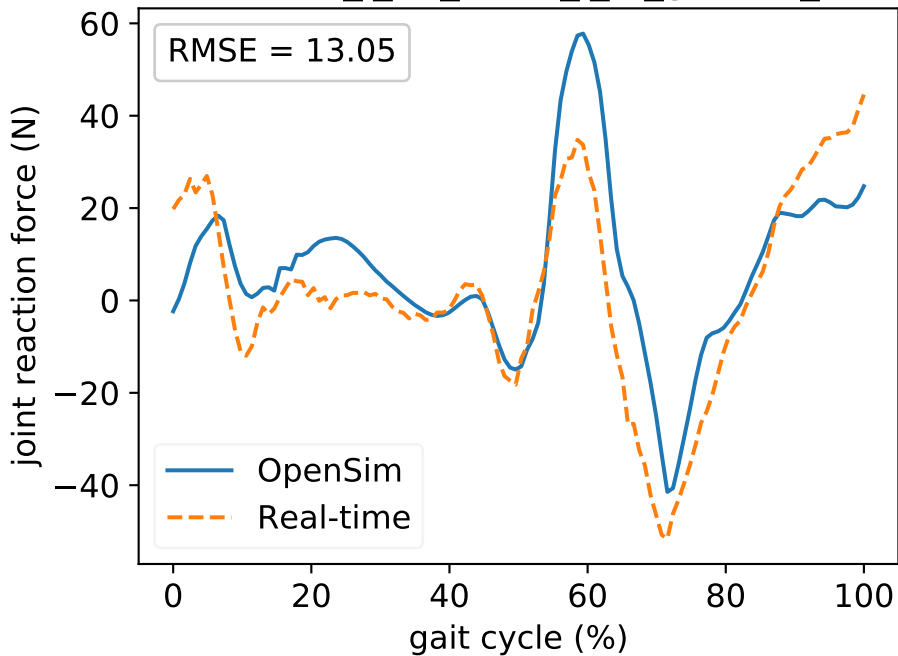
# subtalar\_l\_on\_calcn\_l\_in\_ground\_fx



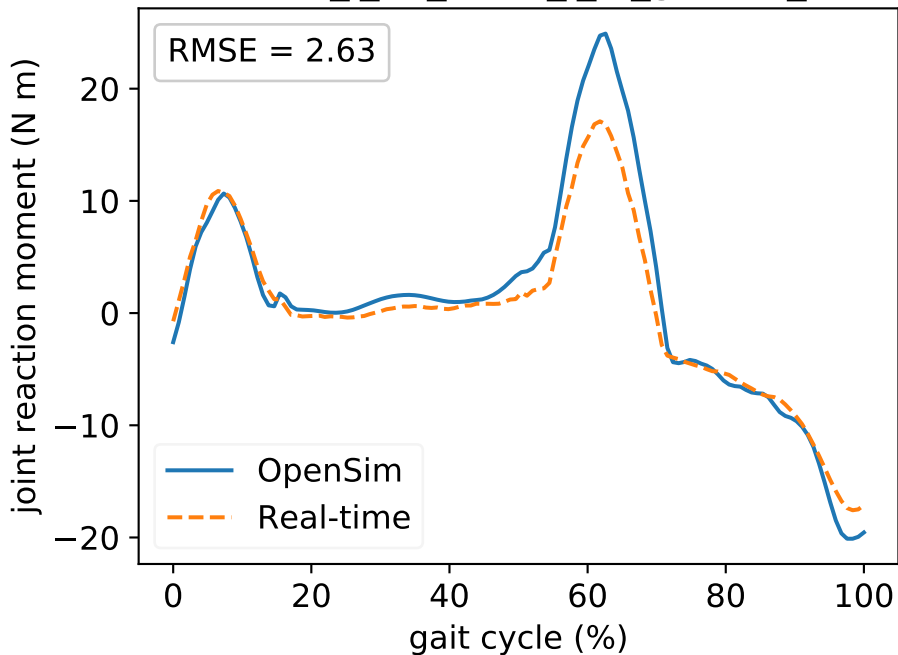
# subtalar\_l\_on\_calcn\_l\_in\_ground\_fy



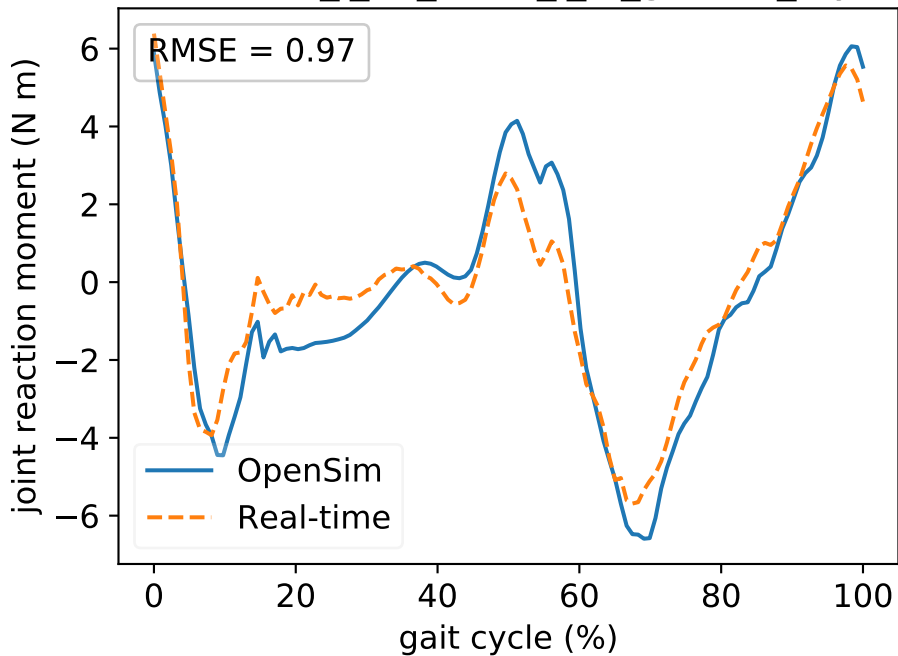
# subtalar\_l\_on\_calcn\_l\_in\_ground\_fz



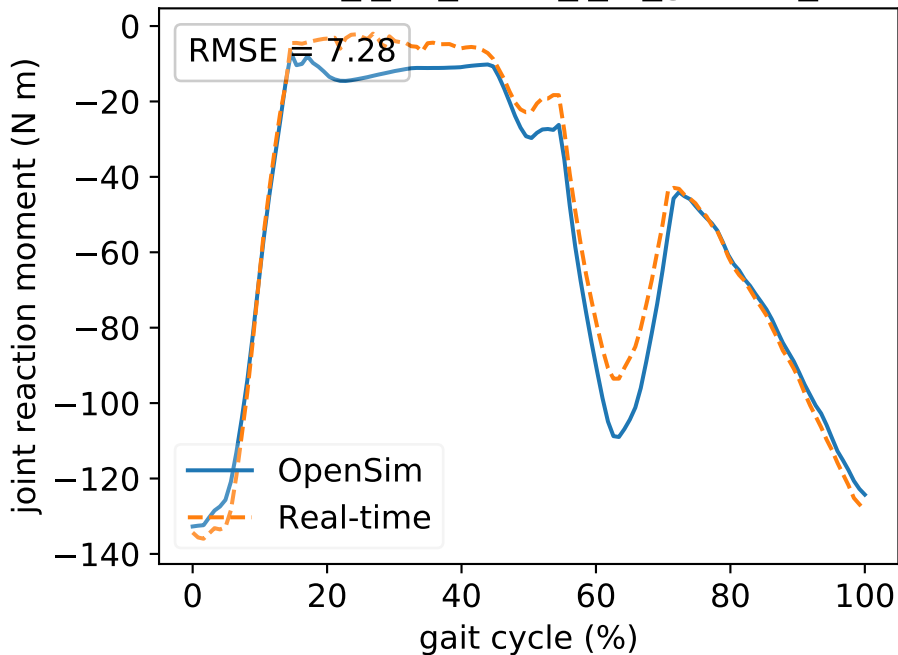
# subtalar\_l\_on\_calcn\_l\_in\_ground\_mx



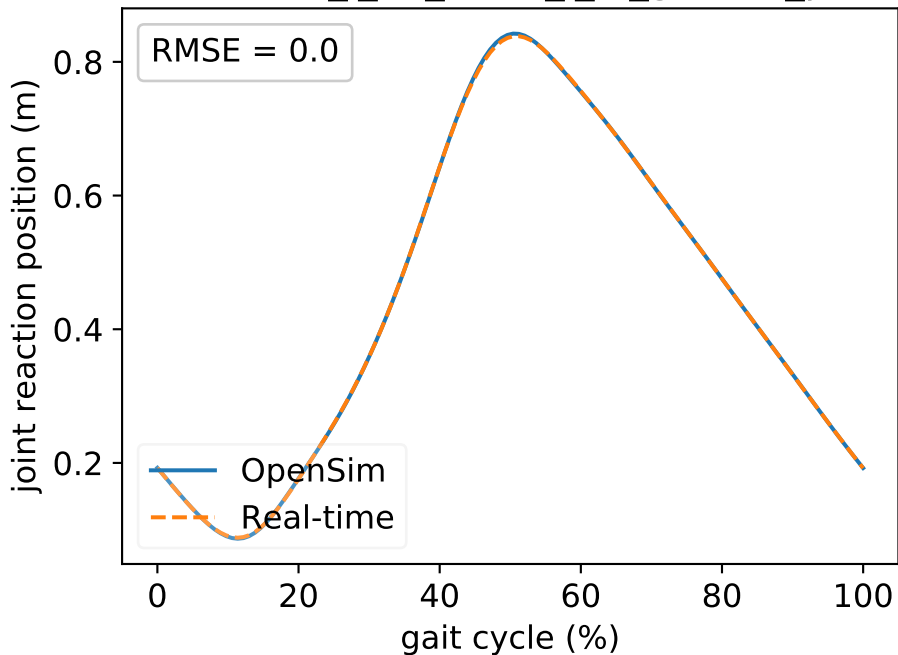
# subtalar\_l\_on\_calcn\_l\_in\_ground\_my



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

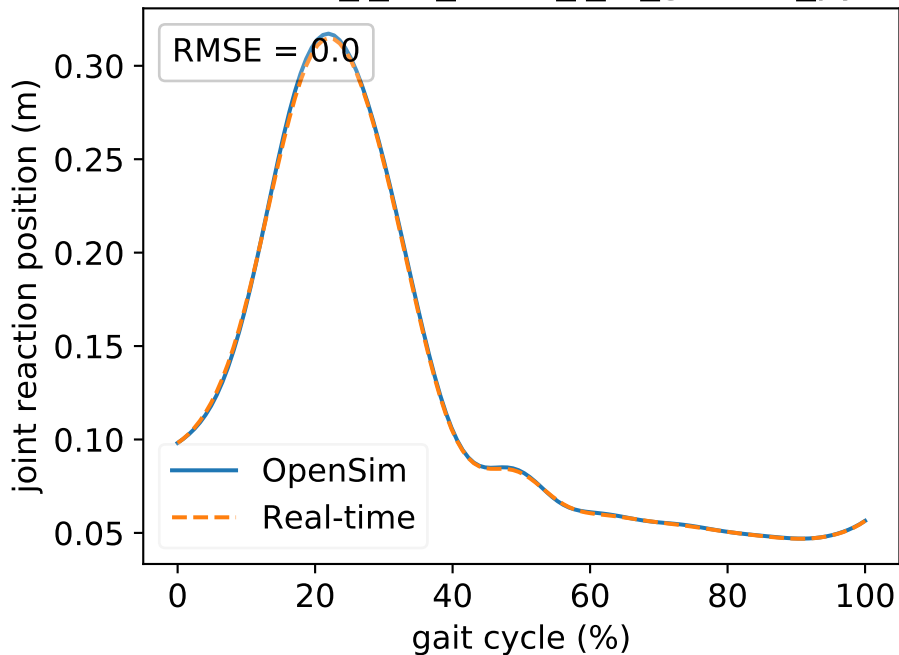


# subtalar\_l\_on\_calcn\_l\_in\_ground\_px

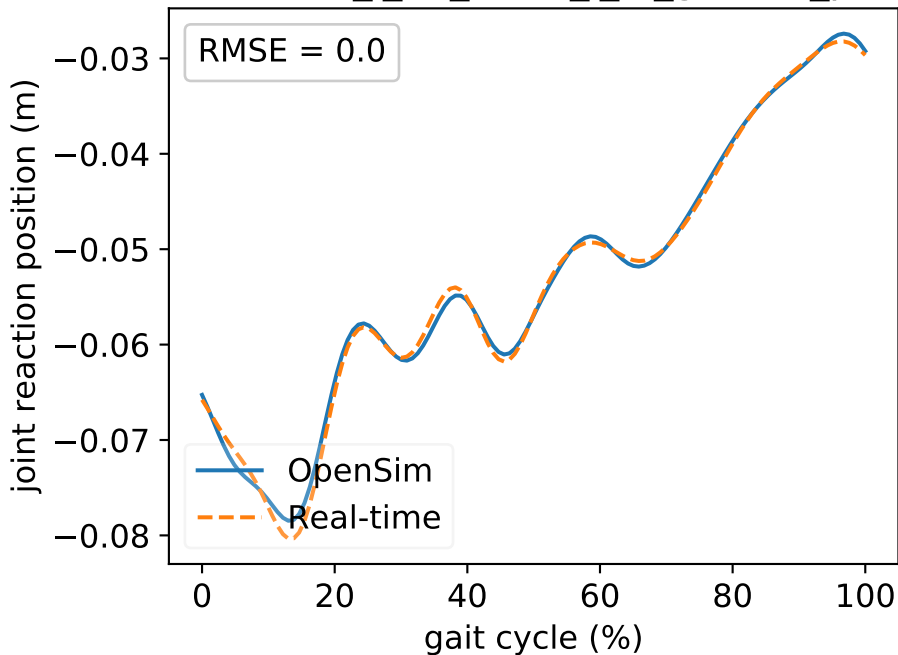




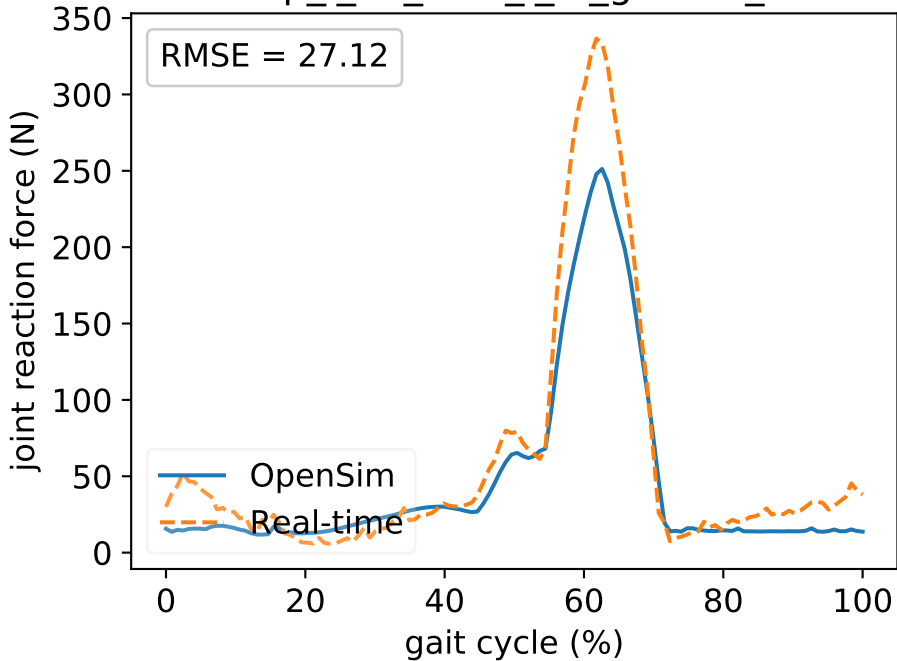
# subtalar\_l\_on\_calcn\_l\_in\_ground\_py



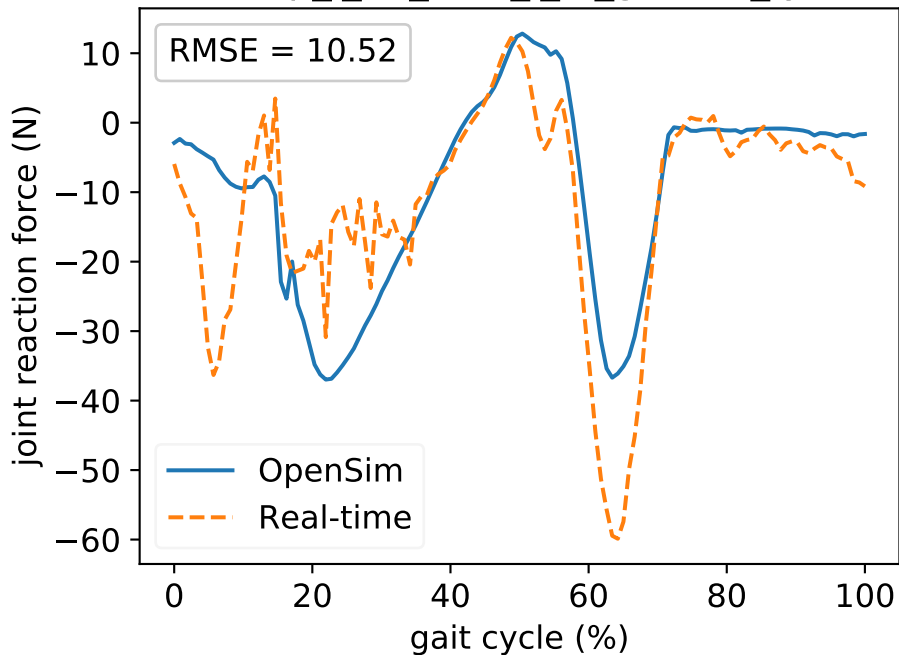
# subtalar\_l\_on\_calcn\_l\_in\_ground\_pz



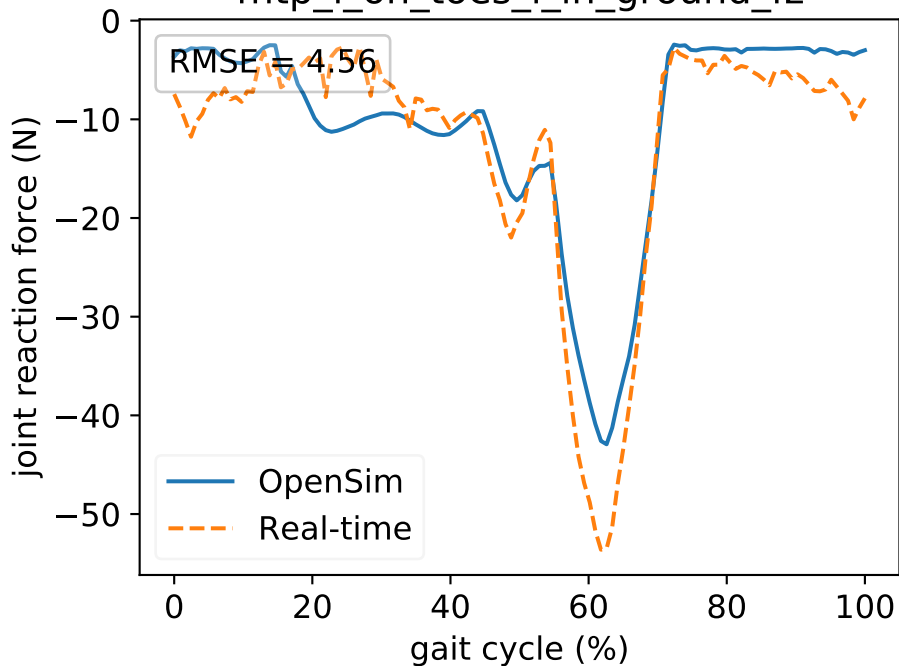
# mtp\_l\_on\_toes\_l\_in\_ground\_fx



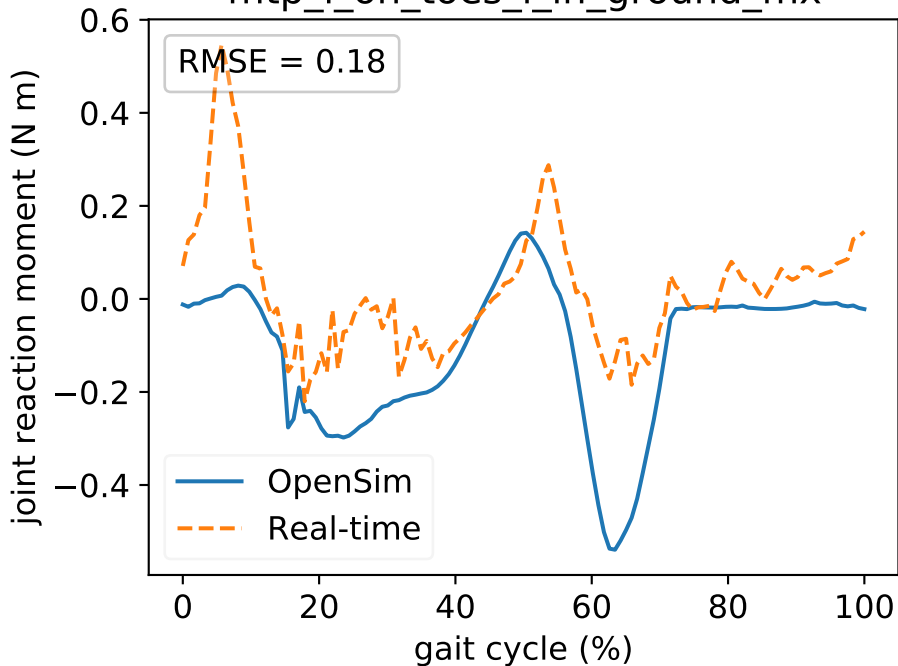
# mtp\_l\_on\_toes\_l\_in\_ground\_fy



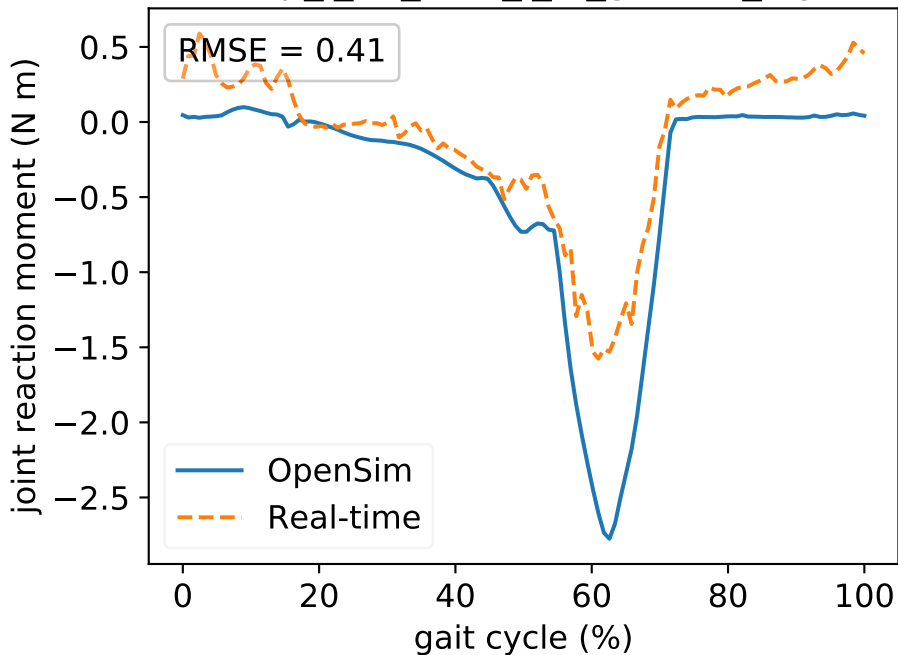
# mtp\_l\_on\_toes\_l\_in\_ground\_fz



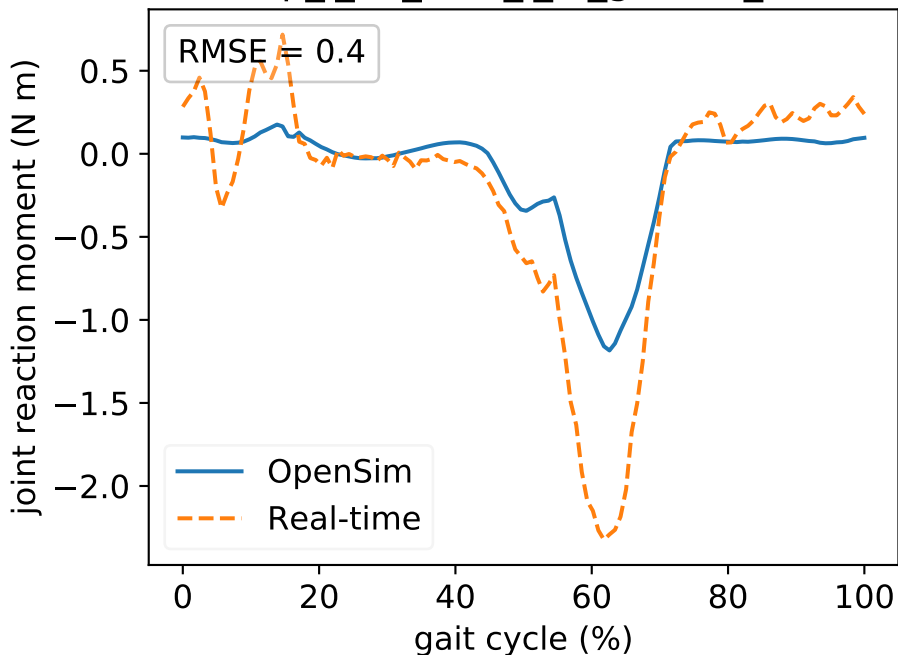
# mtp\_l\_on\_toes\_l\_in\_ground\_mx



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

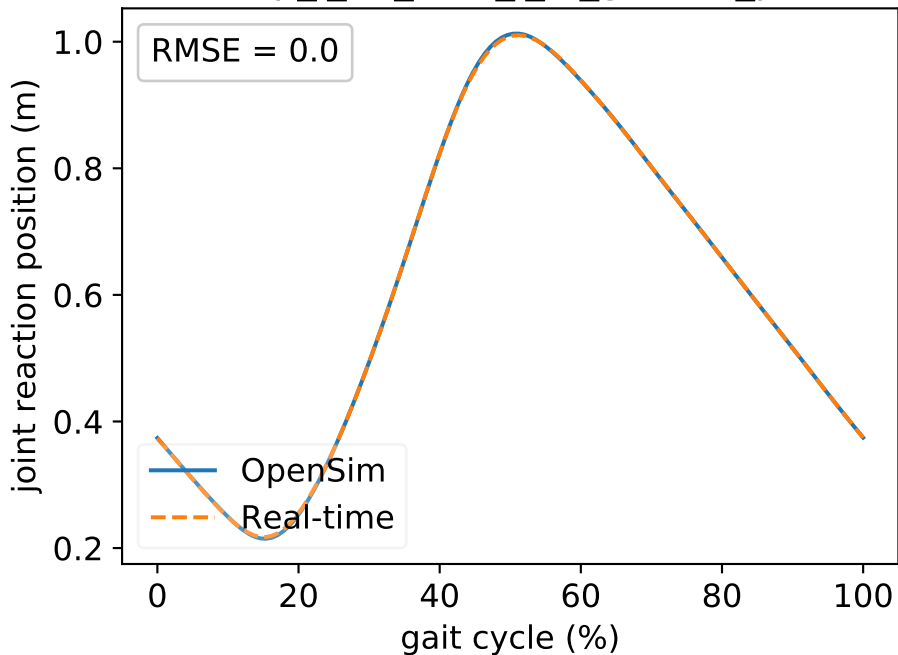


# mtp\_l\_on\_toes\_l\_in\_ground\_mz

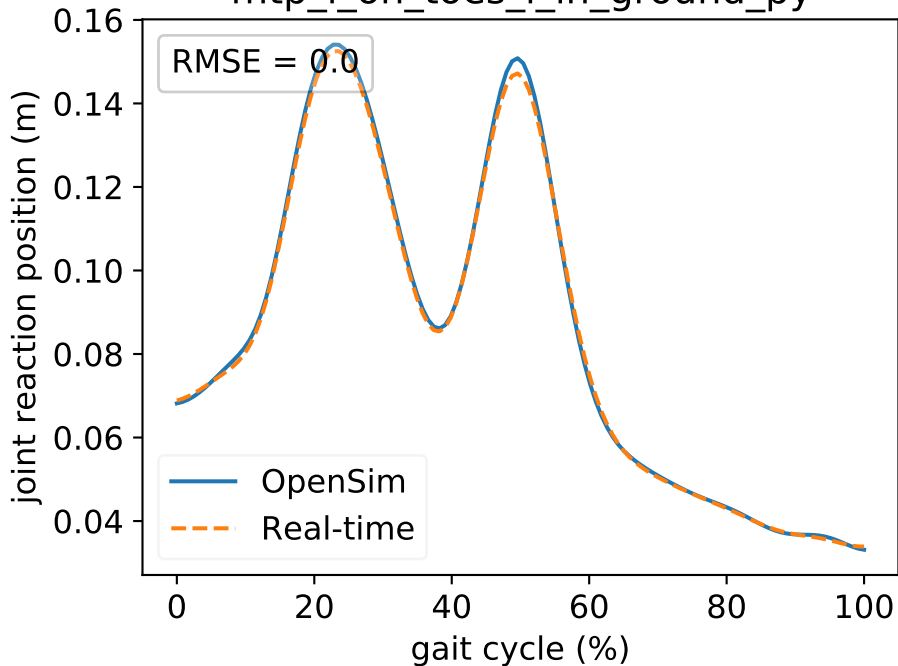




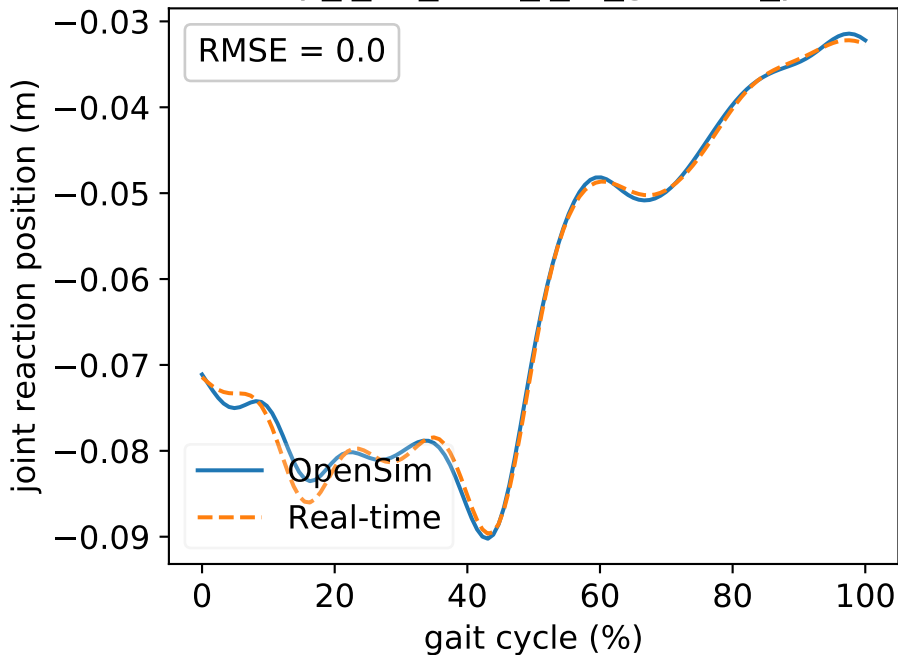
# mtp\_l\_on\_toes\_l\_in\_ground\_px



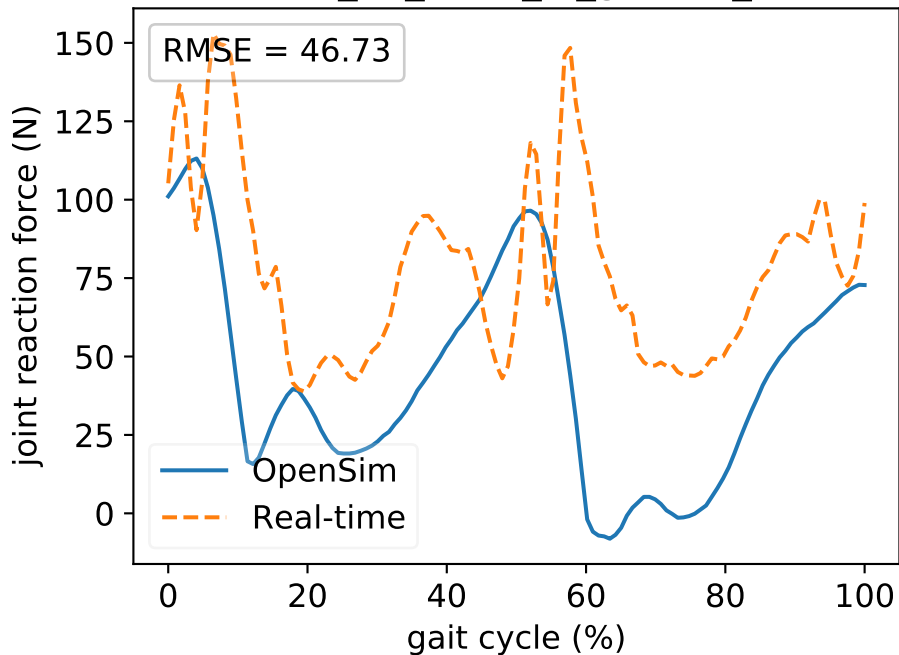
# mtp\_l\_on\_toes\_l\_in\_ground\_py



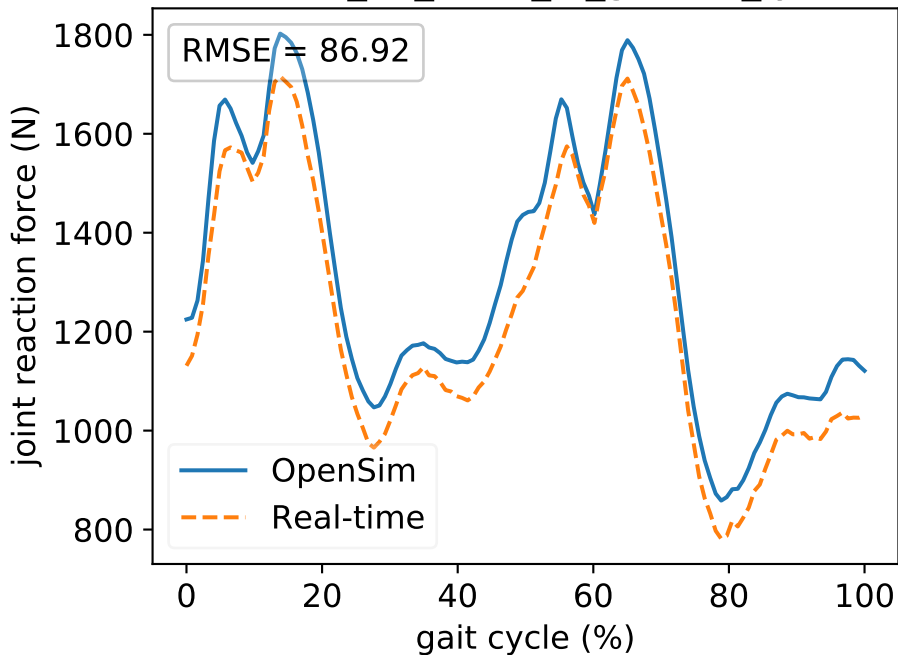
# mtp\_l\_on\_toes\_l\_in\_ground\_pz



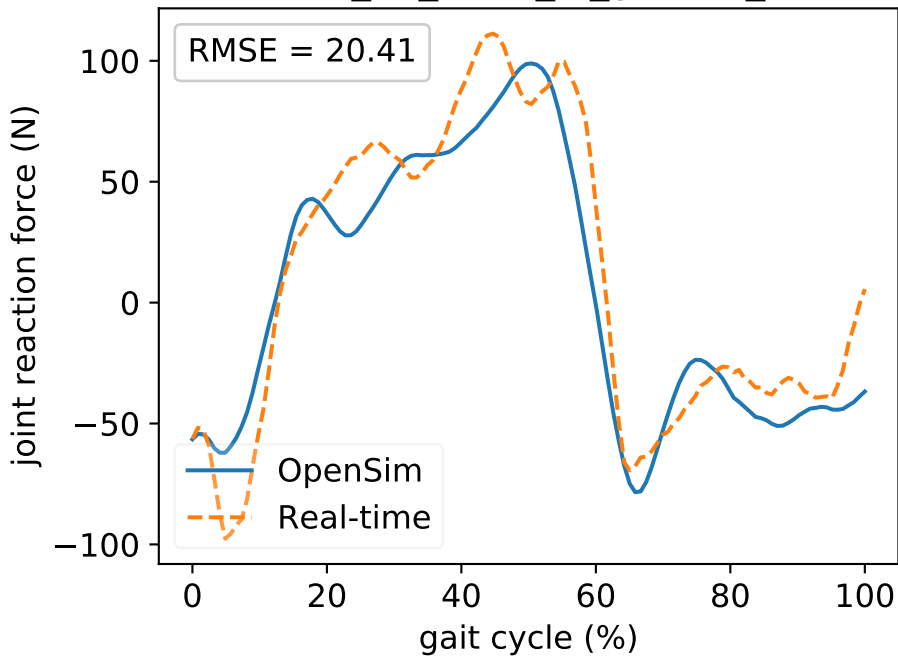
# back\_on\_torso\_in\_ground\_fx



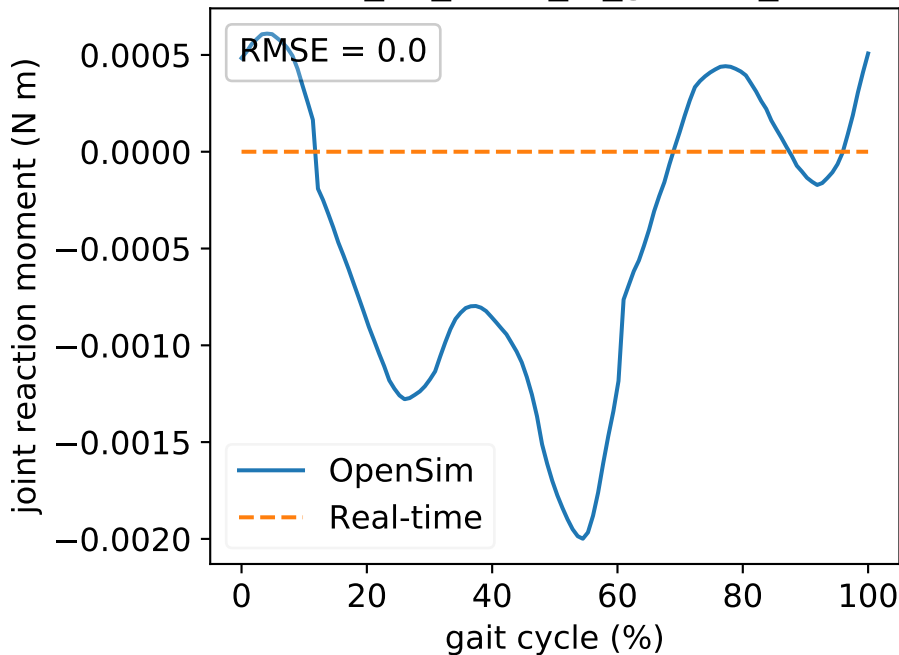
# back\_on\_torso\_in\_ground\_fy



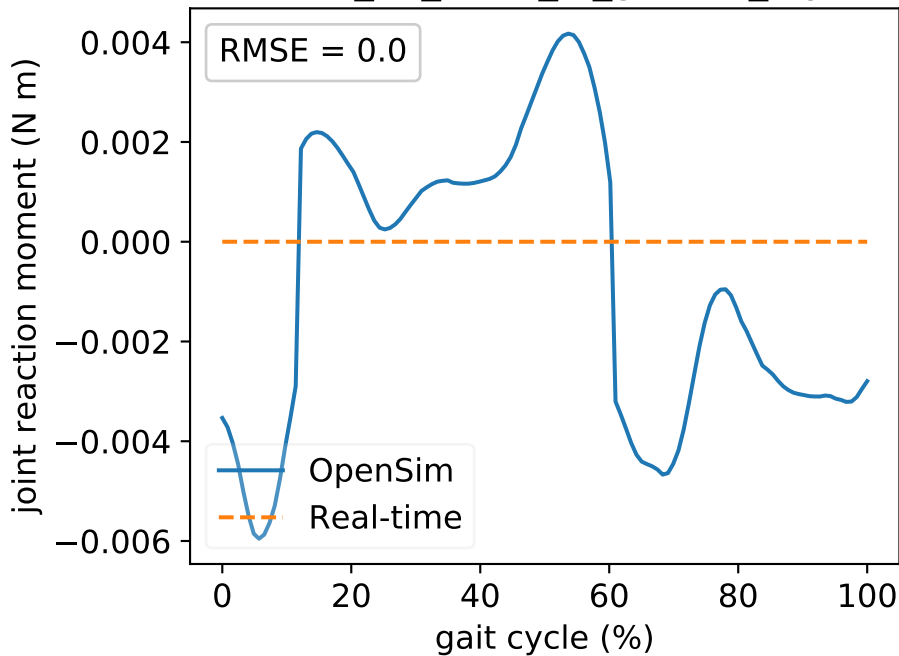
# back\_on\_torso\_in\_ground\_fz



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

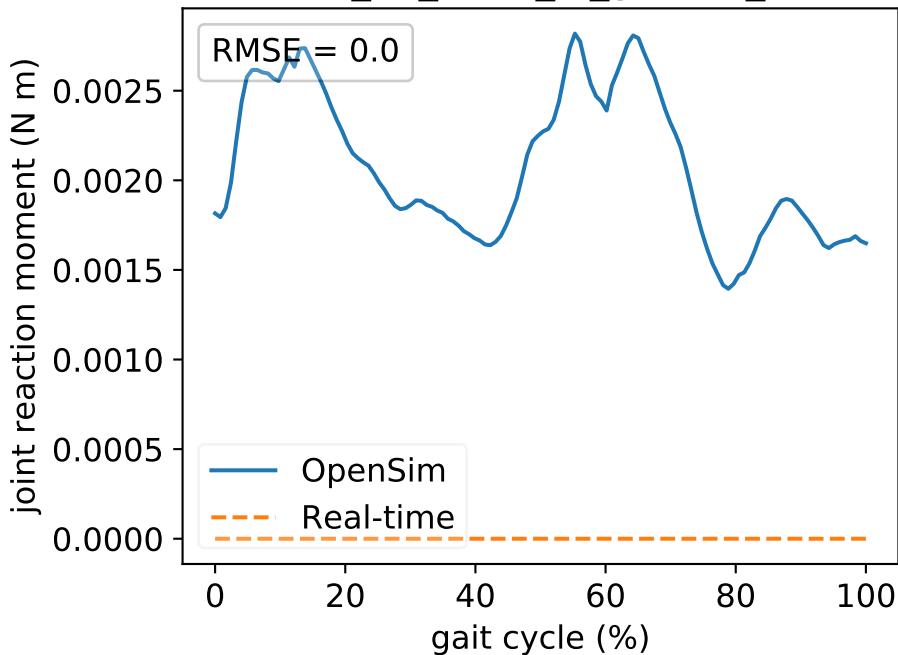


# back\_on\_torso\_in\_ground\_my

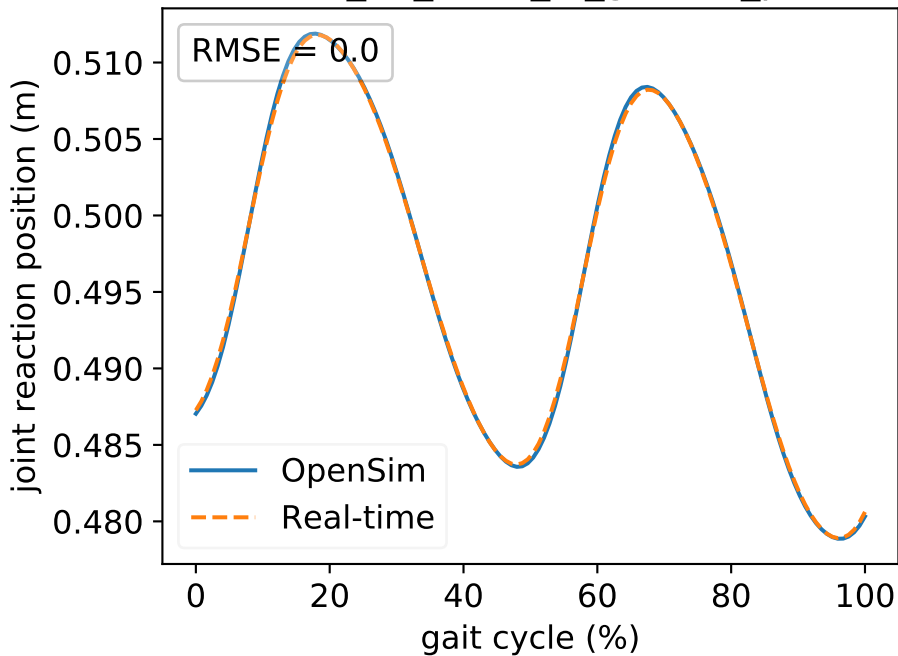




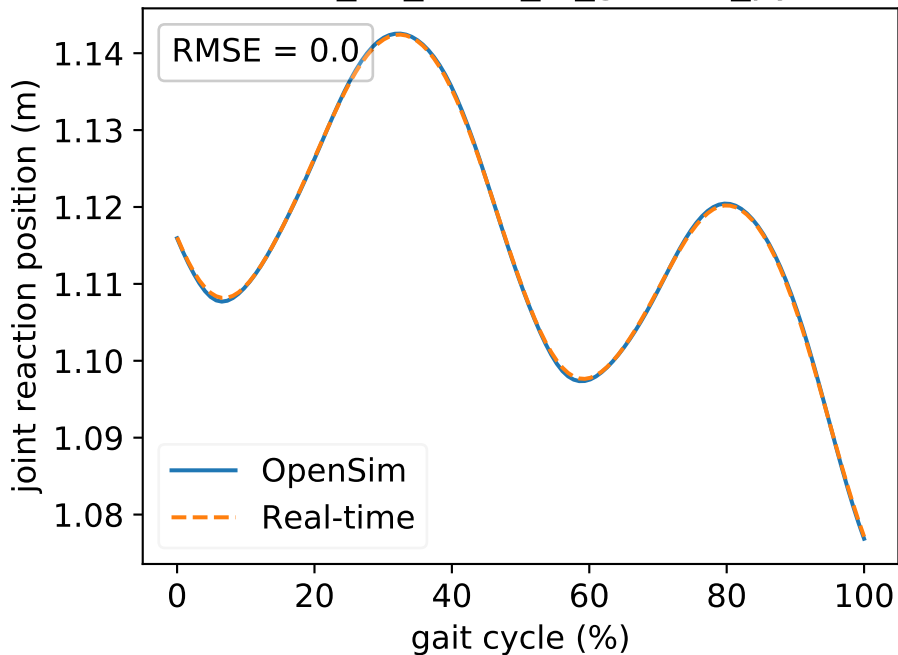
# back\_on\_torso\_in\_ground\_mz



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



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



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

