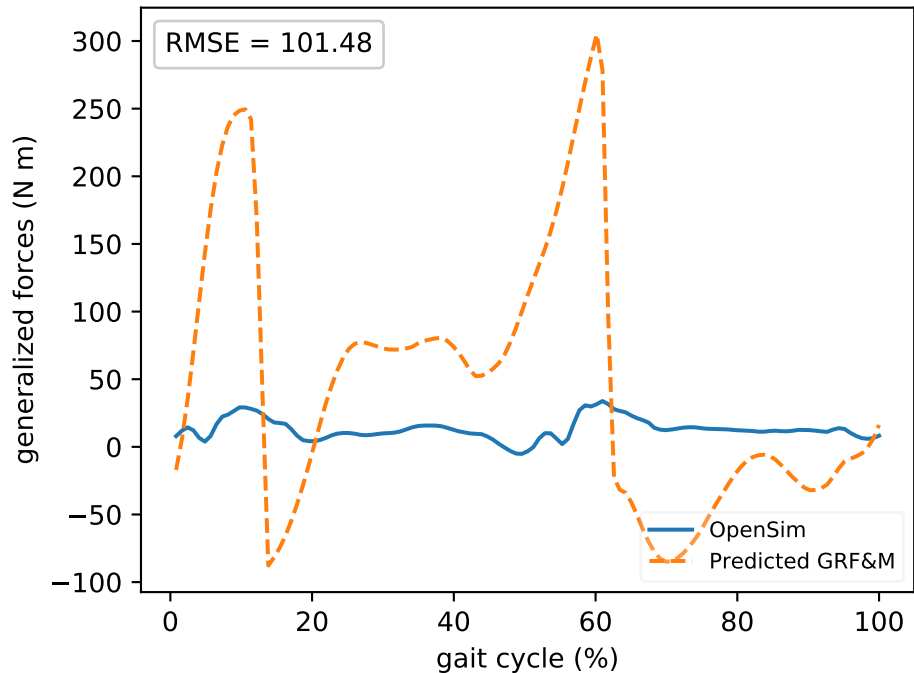
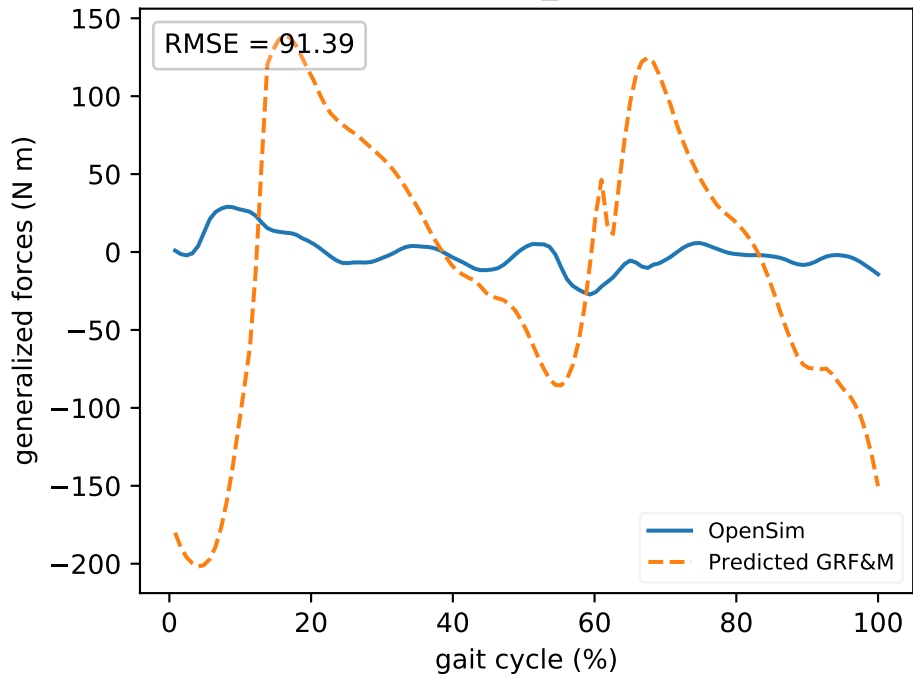


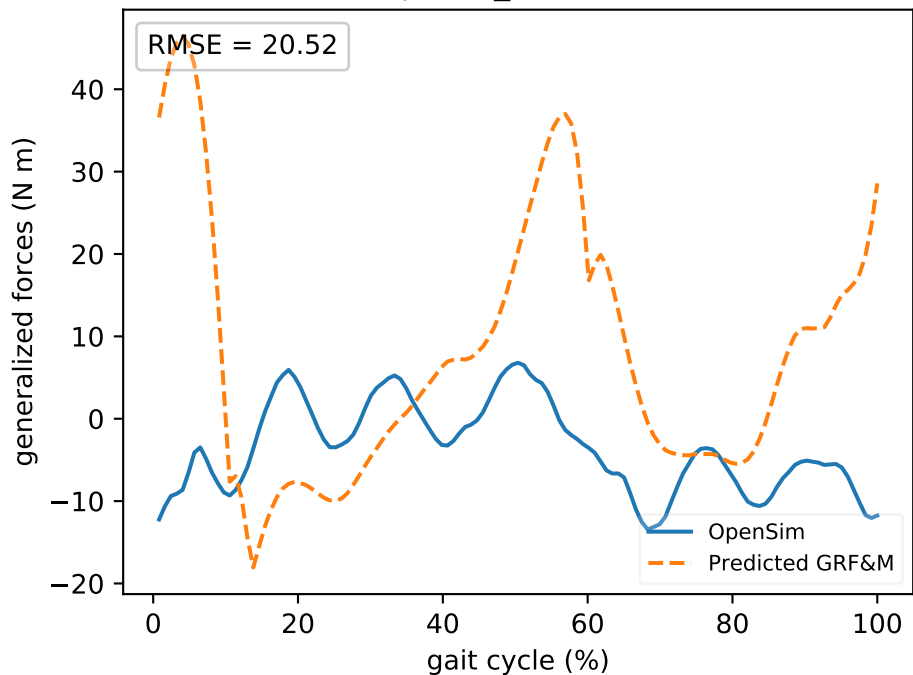
pelvis_tilt



pelvis_list



pelvis_rotation



pelvis_tx

RMSE = 70.63

generalized forces (N)

100
50
0
-50
-100
-150

0

20

40

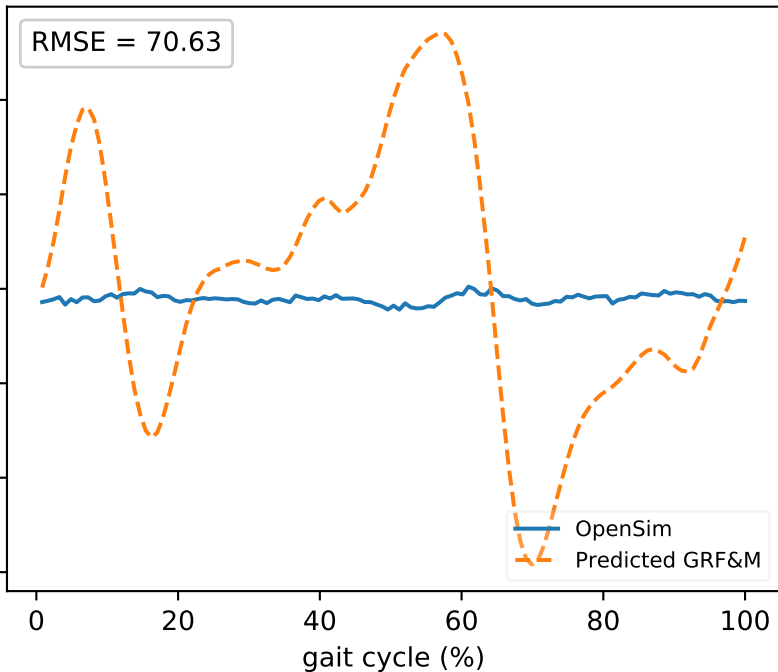
60

80

100

gait cycle (%)

OpenSim
Predicted GRF&M



pelvis_ty

RMSE = 13.16

generalized forces (N)

20
10
0
-10
-20

0

20

40

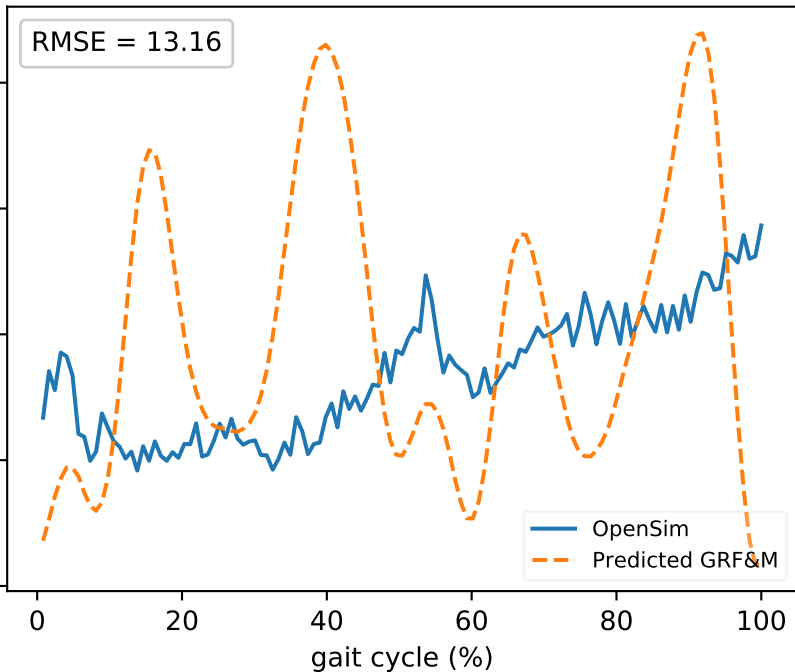
60

80

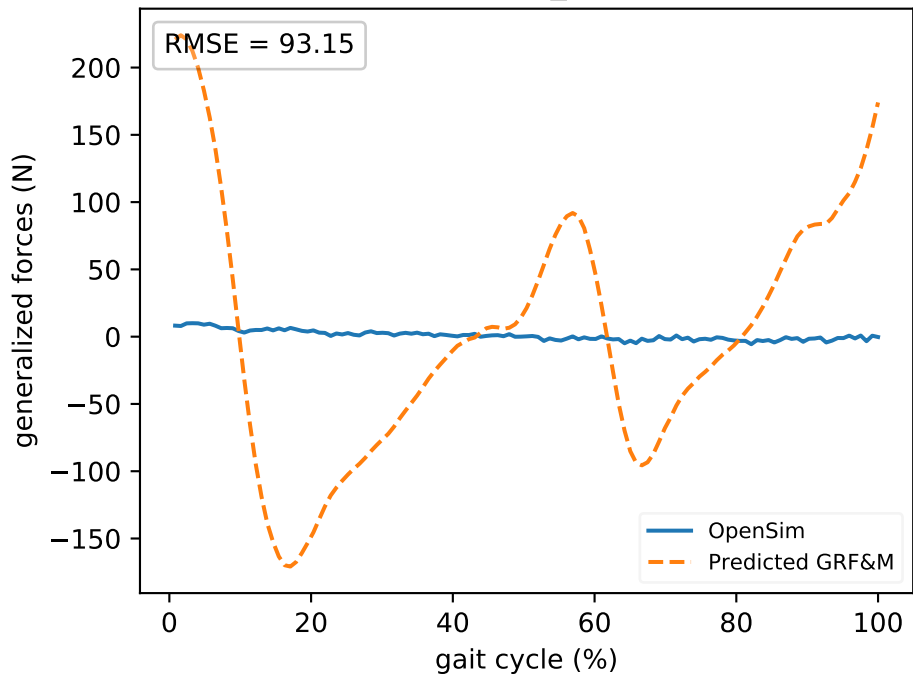
100

gait cycle (%)

— OpenSim
- - Predicted GRF&M



pelvis_tz



hip_flexion_r

RMSE = 68.63

generalized forces (N m)

250
200
150
100
50
0
-50
-100
-150

0

20

40

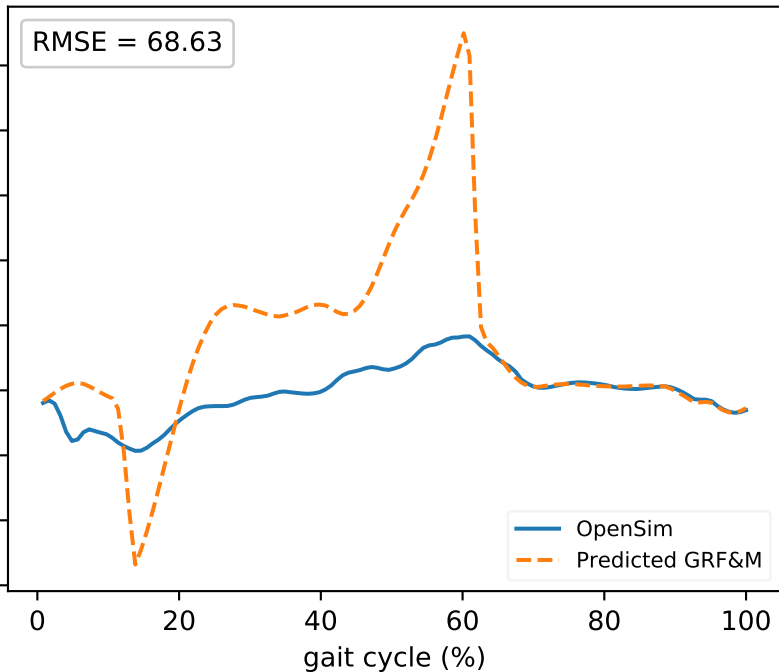
60

80

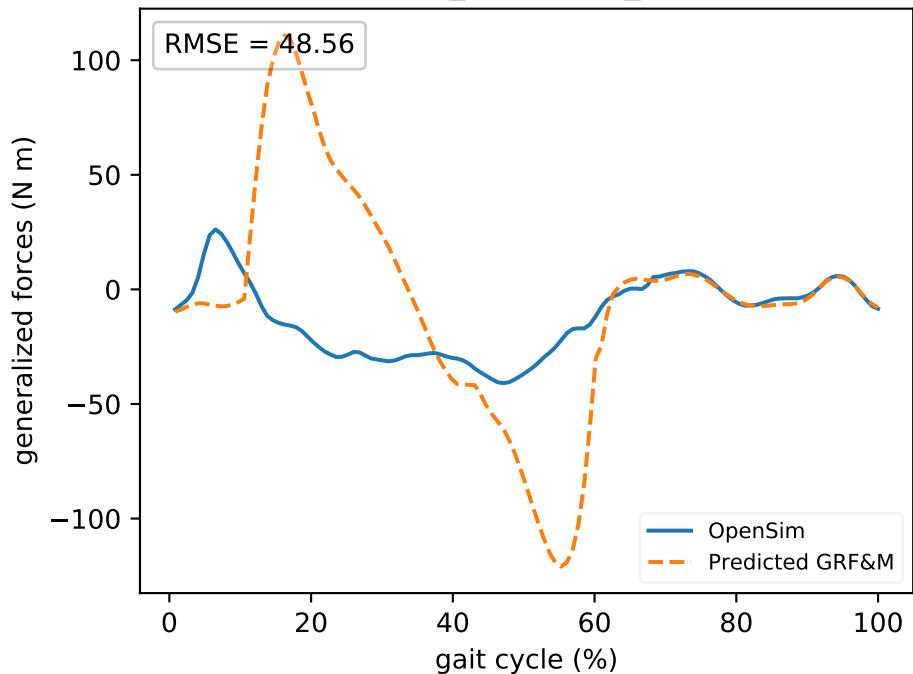
100

gait cycle (%)

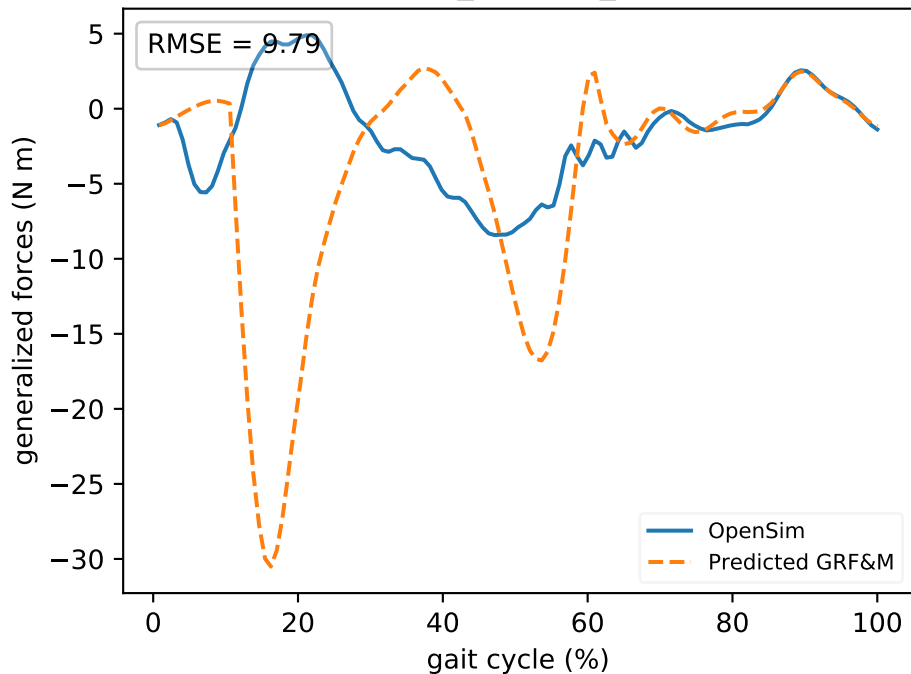
OpenSim
Predicted GRF&M



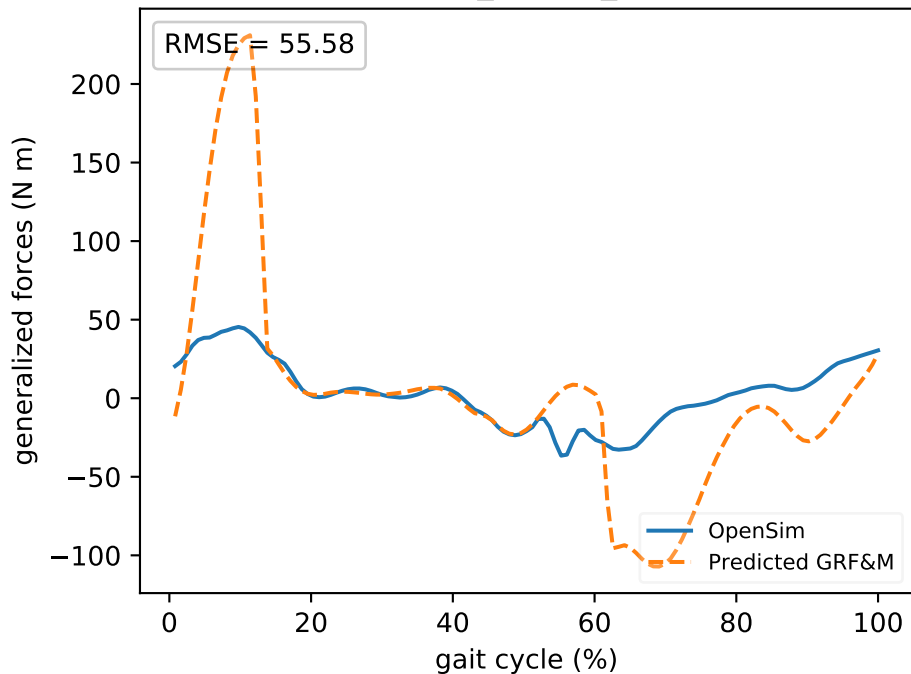
hip_adduction_r



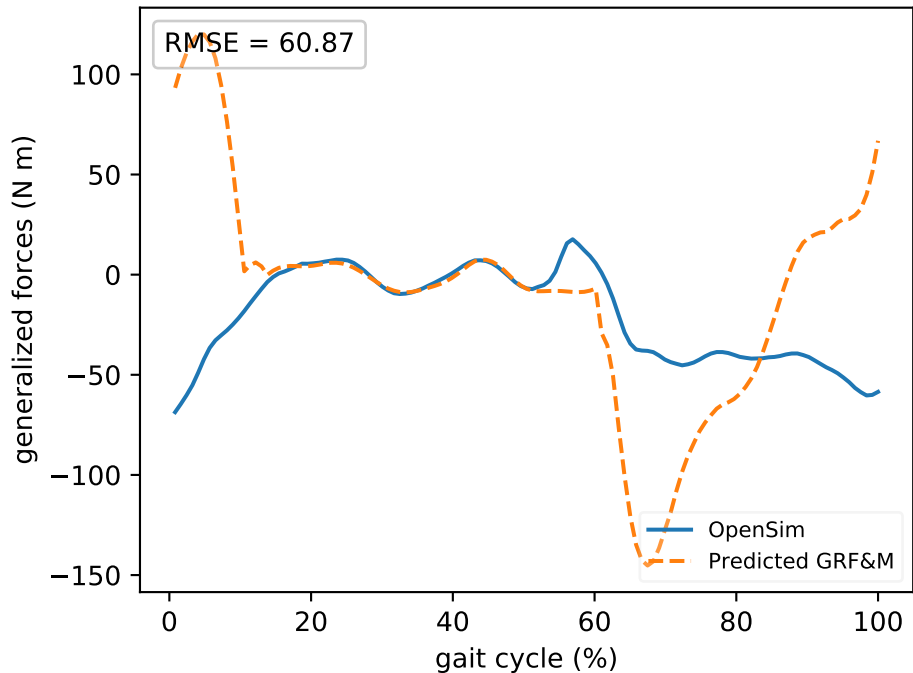
hip_rotation_r



hip_flexion_l



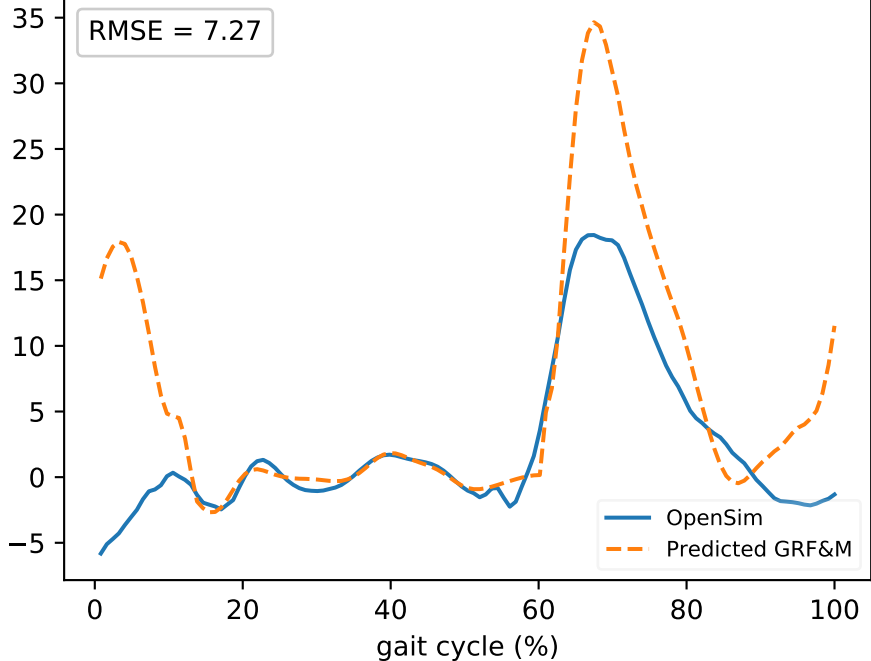
hip_adduction_l



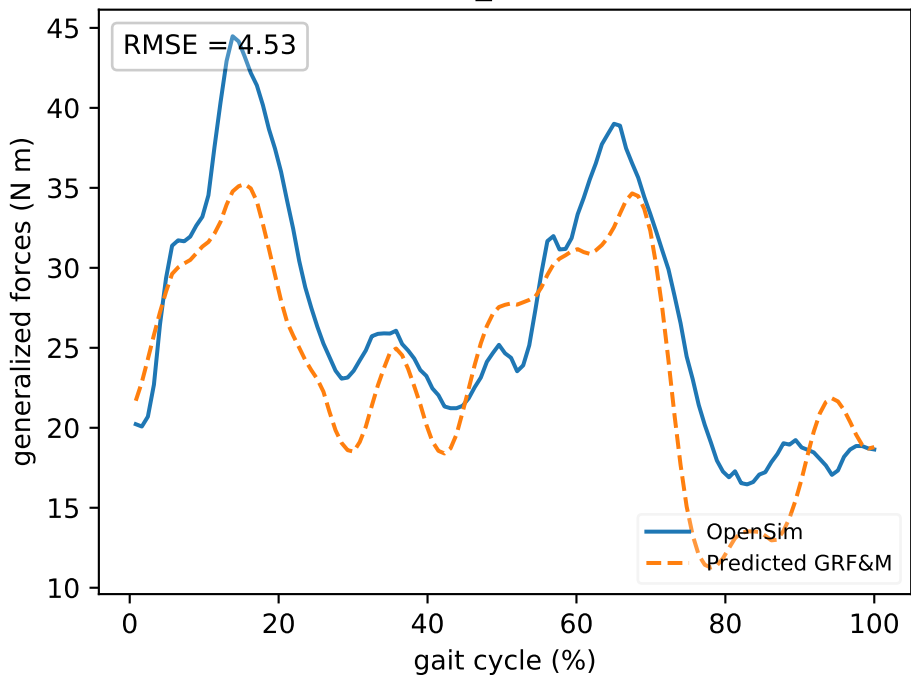
hip_rotation_l

RMSE = 7.27

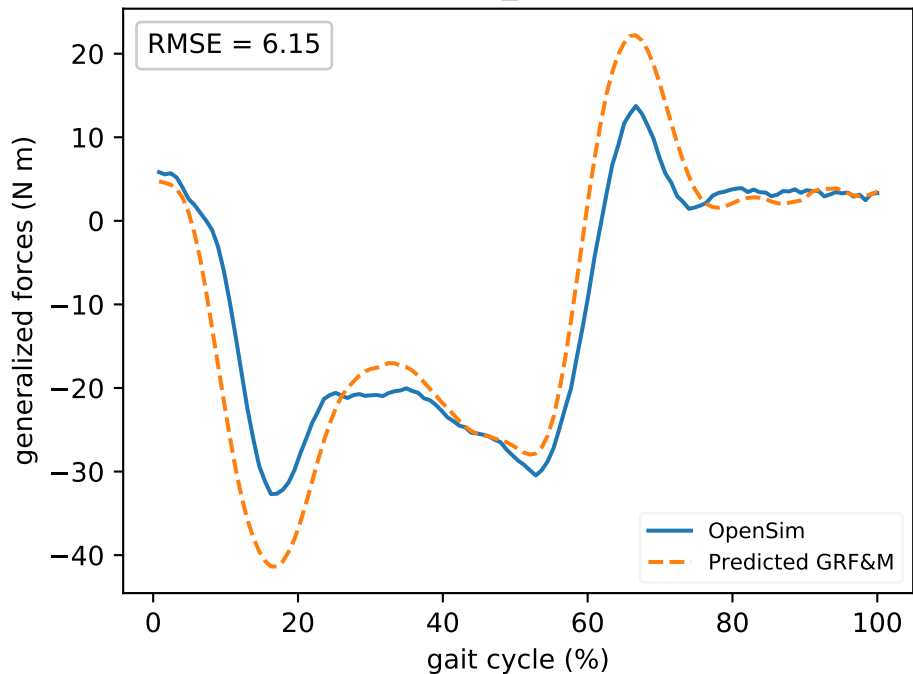
generalized forces (N m)



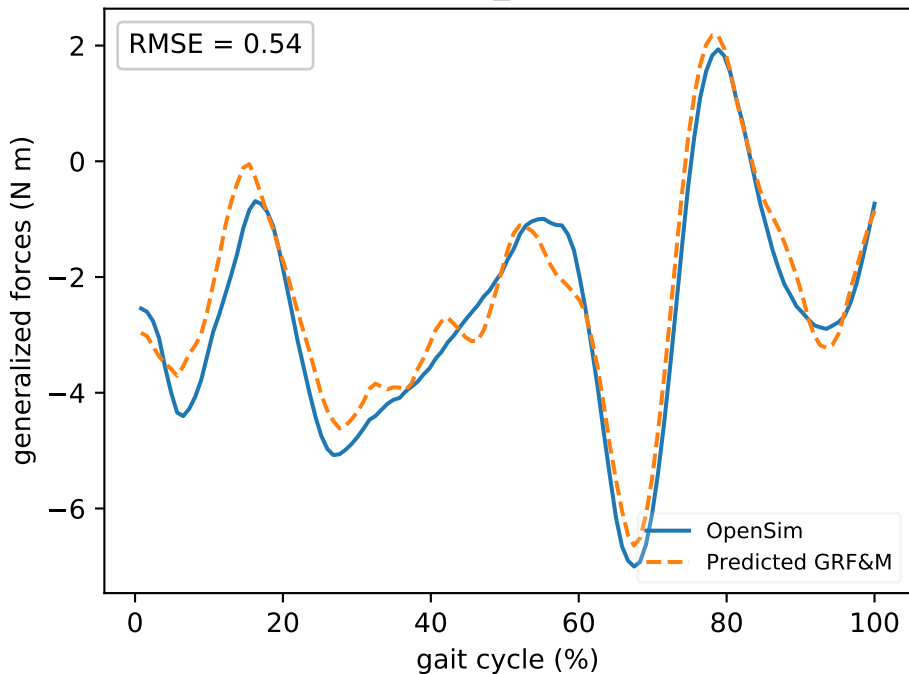
lumbar_extension



lumbar_bending



lumbar_rotation



knee_angle_r

RMSE = 36.91

generalized forces (N m)

120
100
80
60
40
20
0
-20
-40

0

20

40

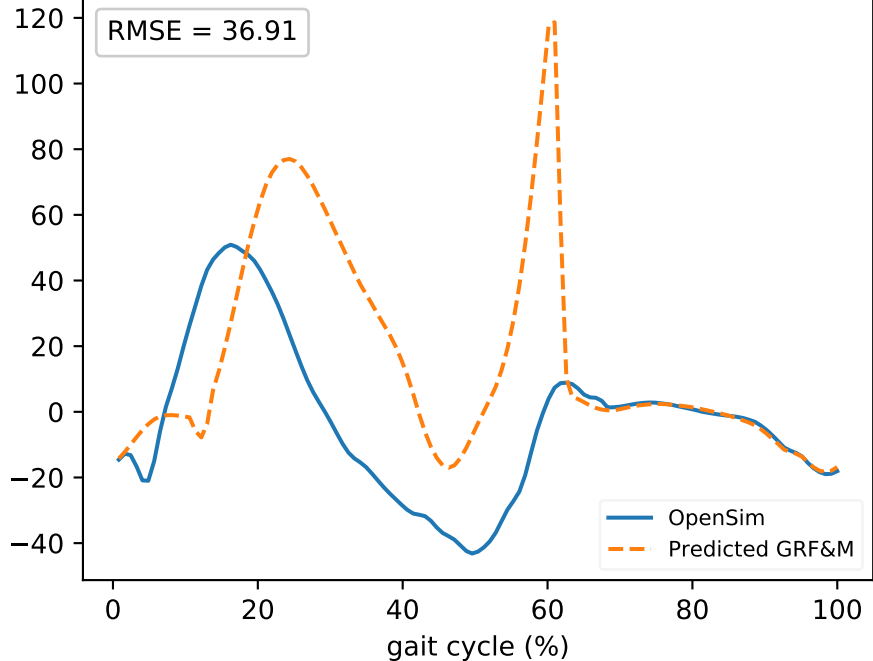
60

80

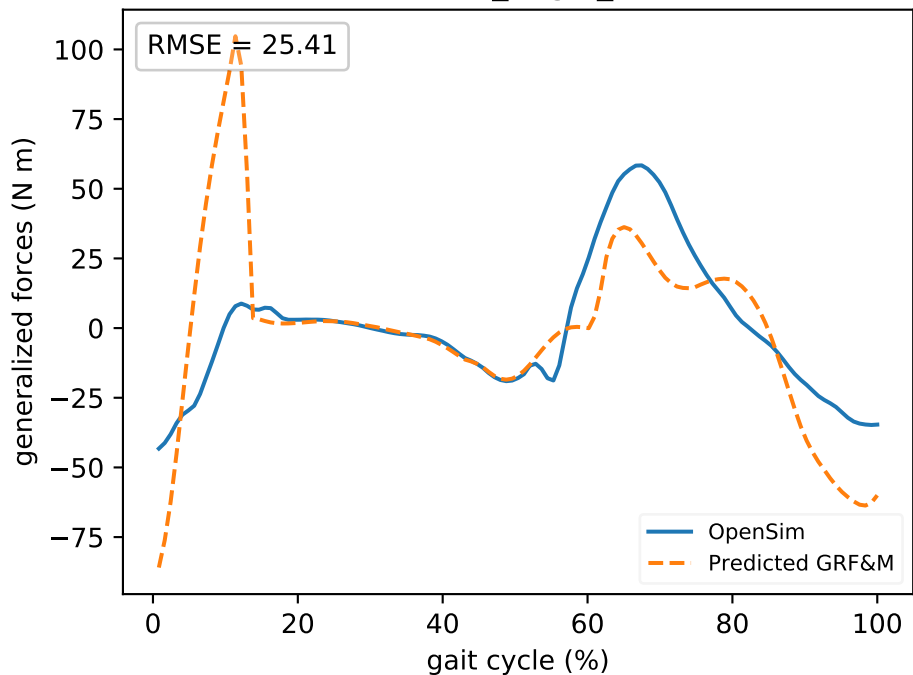
100

gait cycle (%)

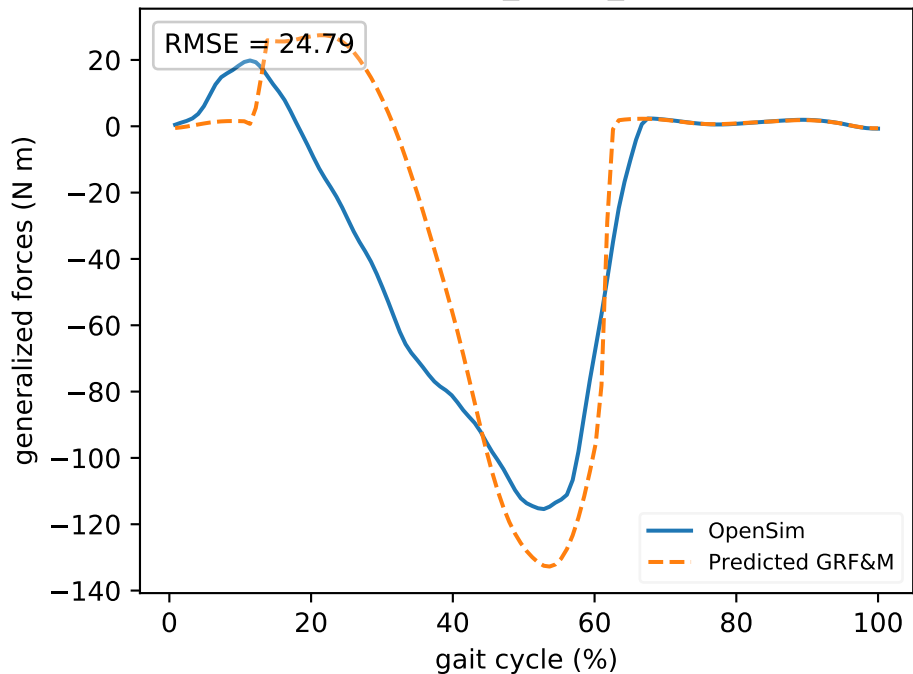
OpenSim
Predicted GRF&M



knee_angle_l



ankle_angle_r



ankle_angle_l

RMSE = 25.0

generalized forces (N m)

