

ground_pelvis_on_pelvis_in_ground_fx

RMSE = 0.0

joint reaction force (N)

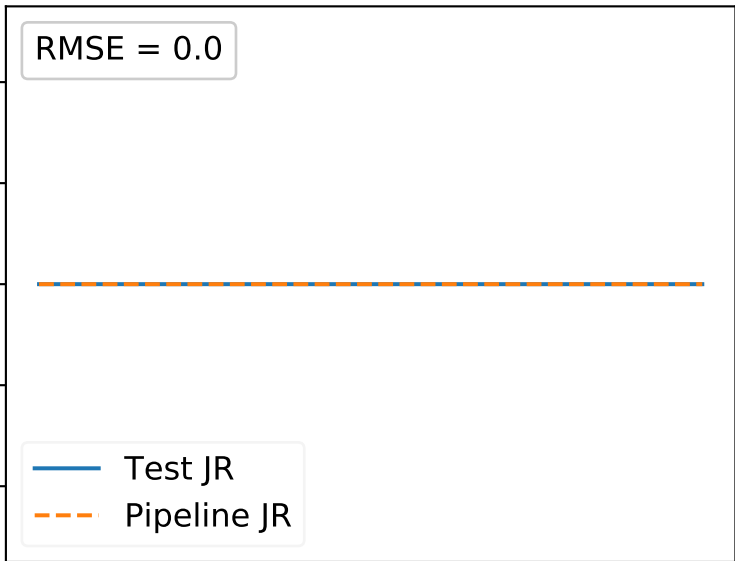
0.04
0.02
0.00
-0.02
-0.04

Test JR

Pipeline JR

0 20 40 60 80 100

gait cycle (%)



ground_pelvis_on_pelvis_in_ground_fy

RMSE = 0.0

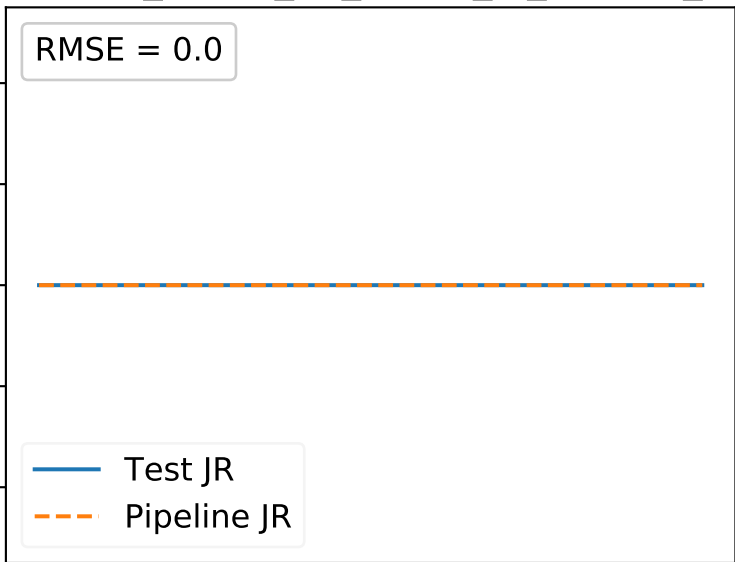
joint reaction force (N)

0.04
0.02
0.00
-0.02
-0.04

Test JR
Pipeline JR

0 20 40 60 80 100

gait cycle (%)



ground_pelvis_on_pelvis_in_ground_fz

RMSE = 0.0

joint reaction force (N)

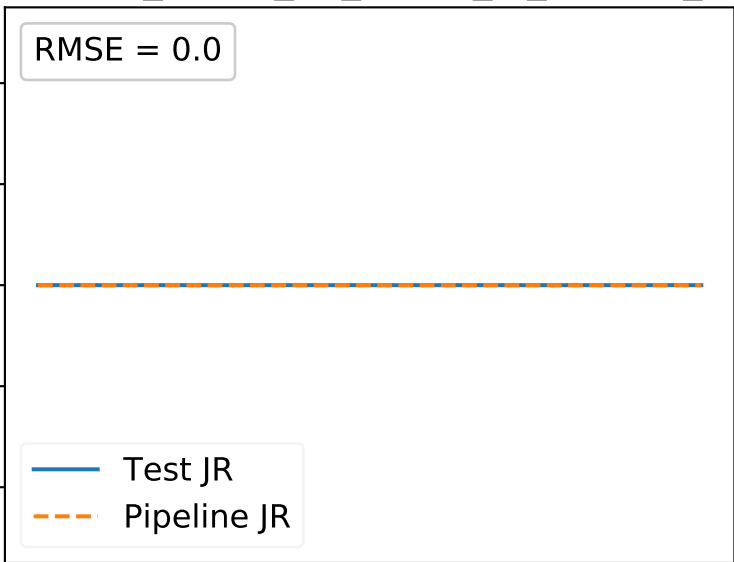
0.04
0.02
0.00
-0.02
-0.04

Test JR

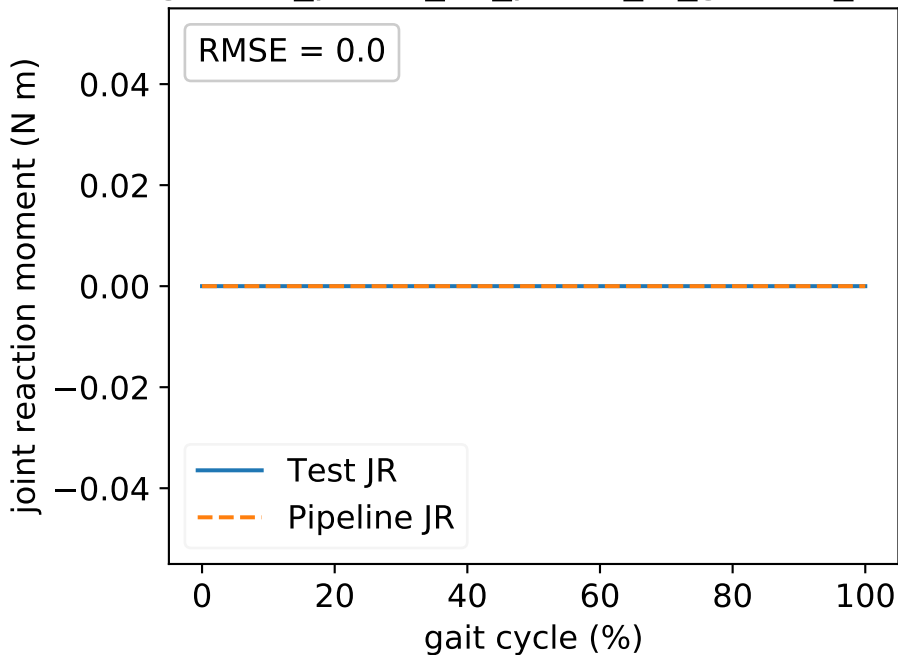
Pipeline JR

0 20 40 60 80 100

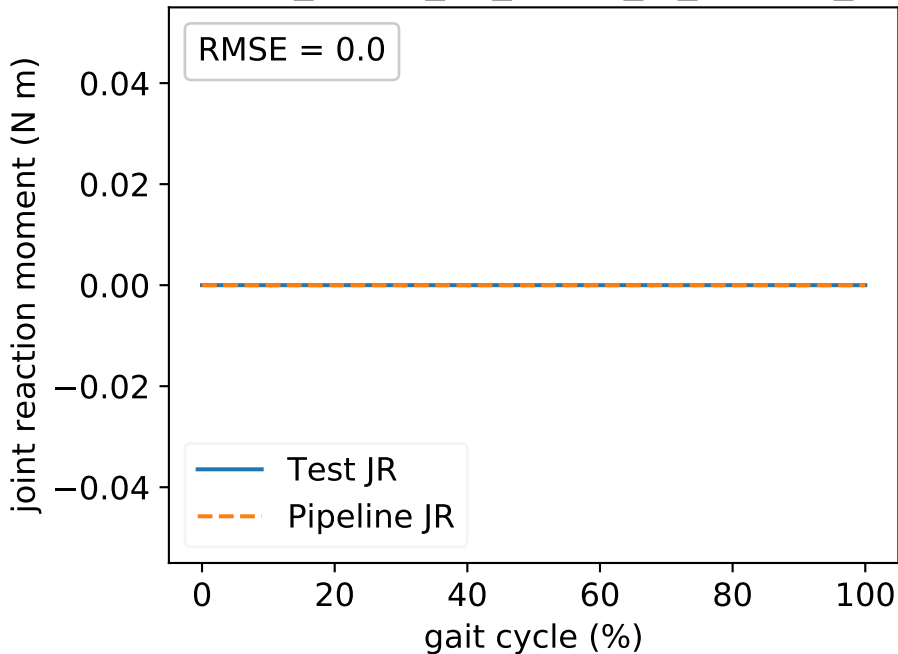
gait cycle (%)



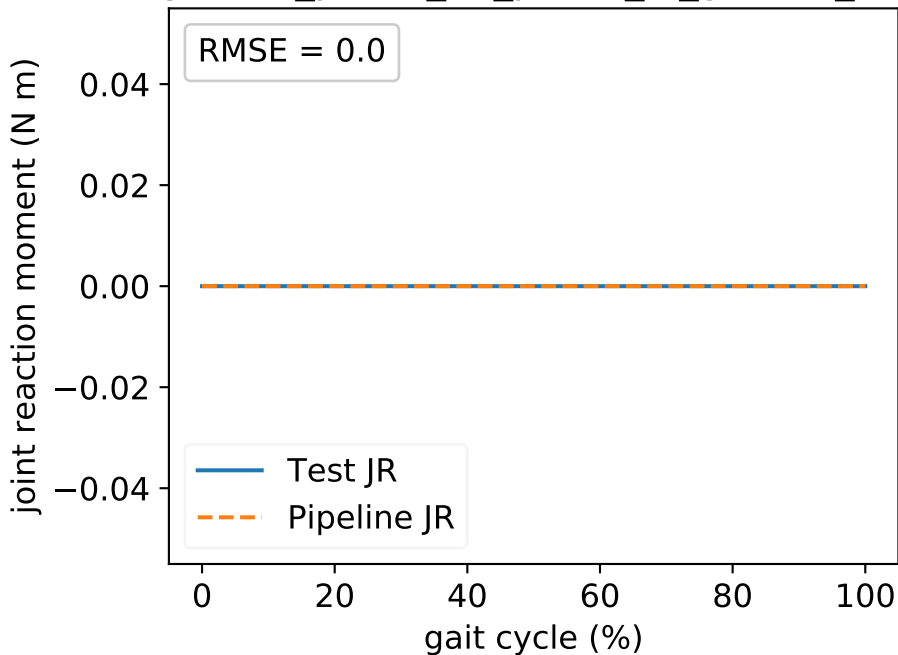
ground_pelvis_on_pelvis_in_ground_mx



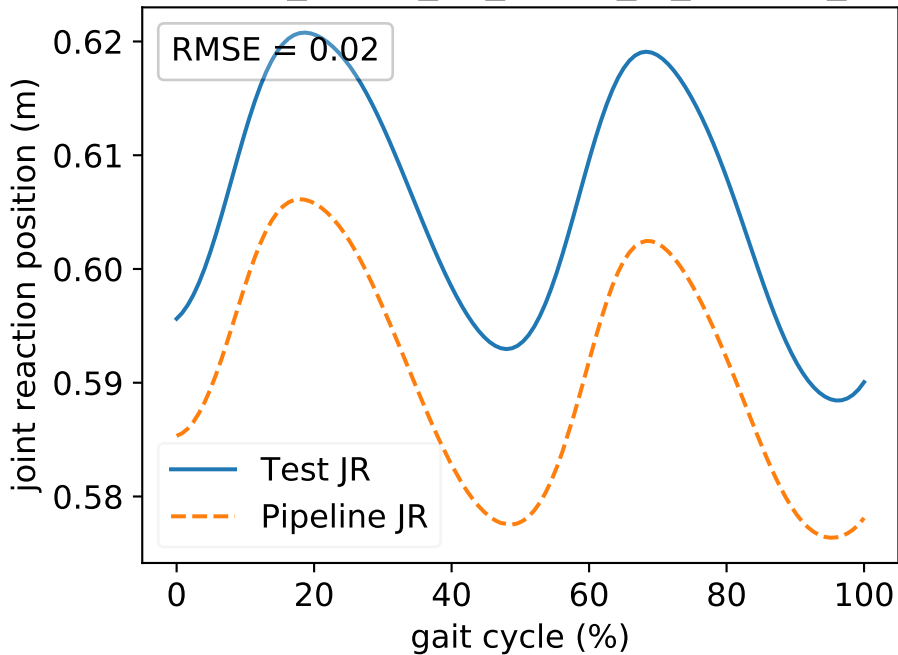
ground_pelvis_on_pelvis_in_ground_my



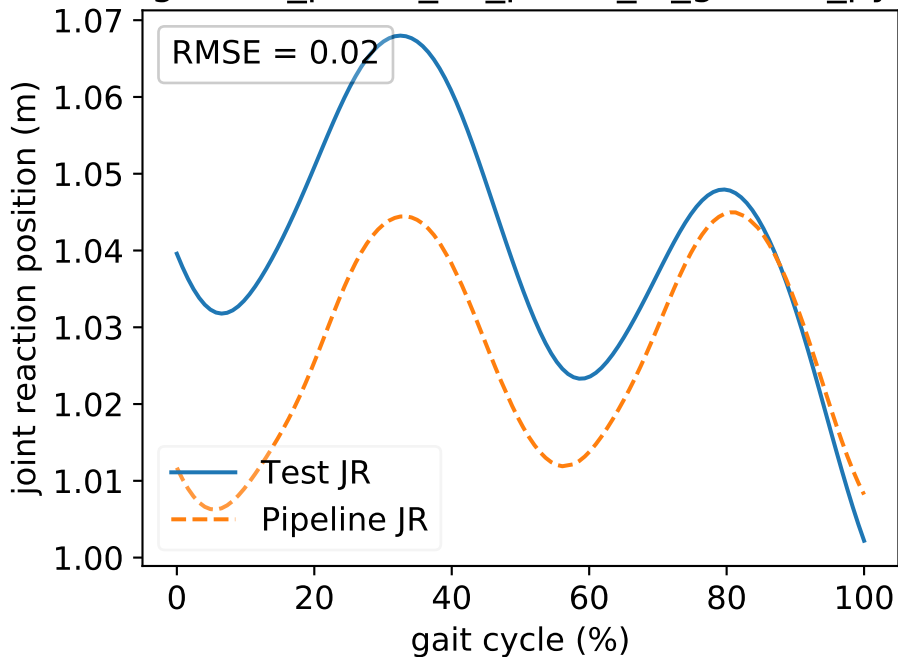
ground_pelvis_on_pelvis_in_ground_mz



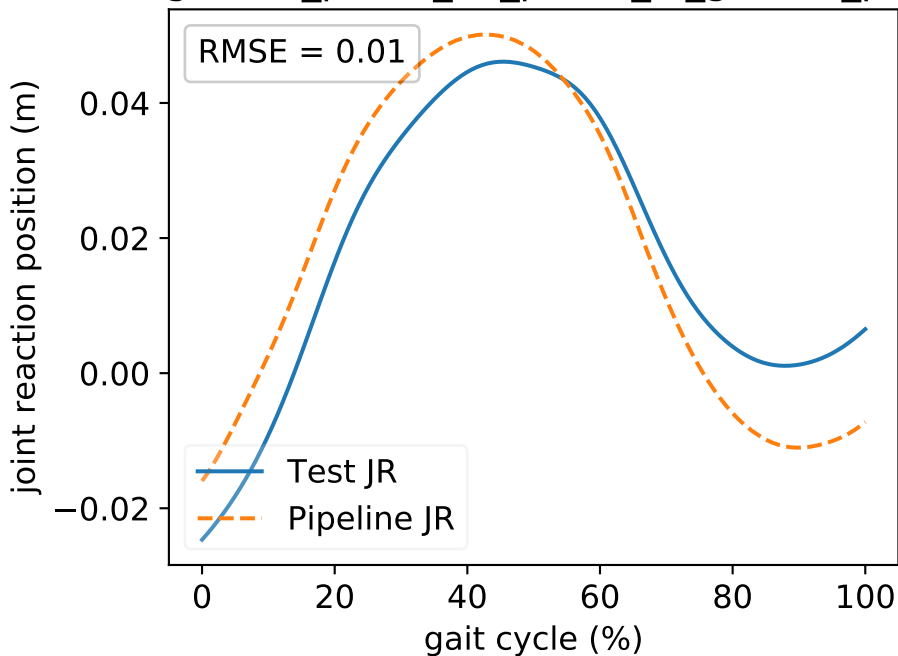
ground_pelvis_on_pelvis_in_ground_px



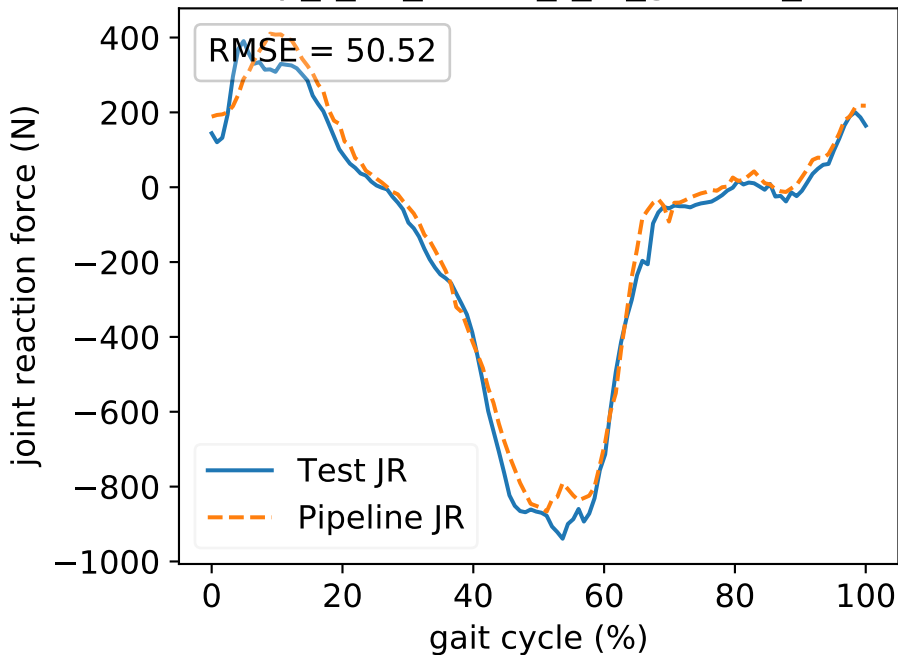
ground_pelvis_on_pelvis_in_ground_py



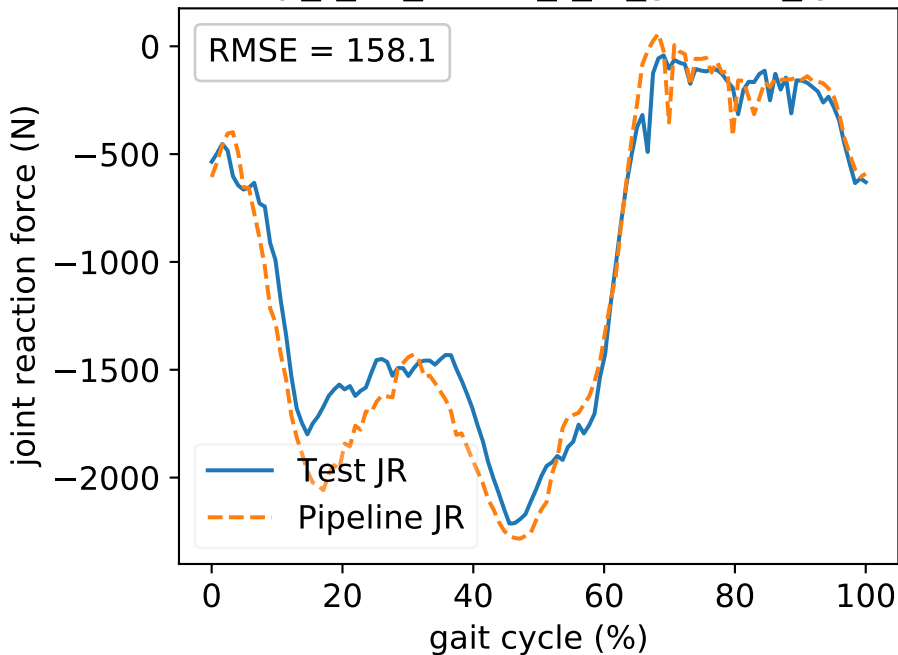
ground_pelvis_on_pelvis_in_ground_pz



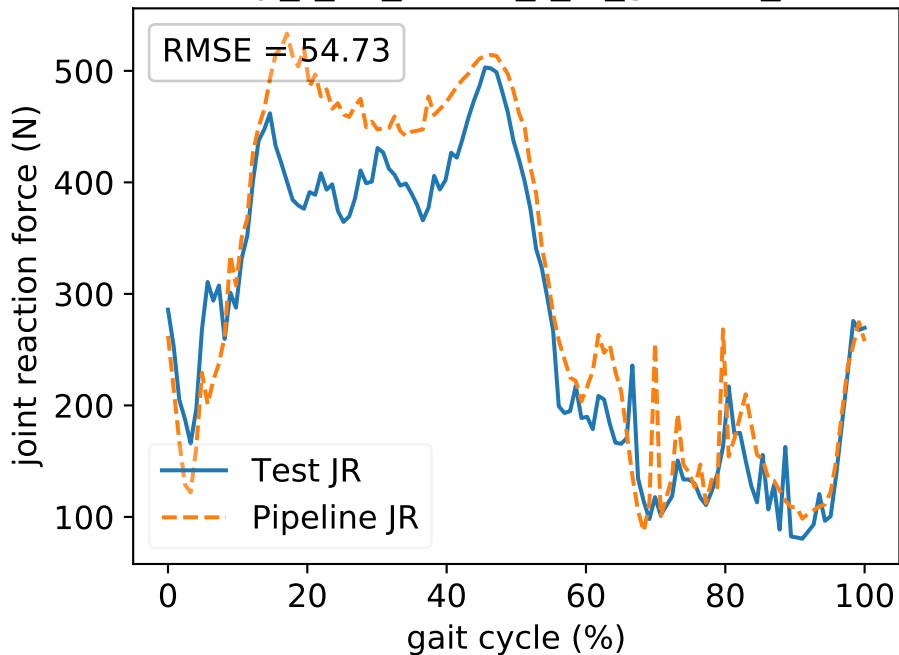
hip_r_on_femur_r_in_ground_fx



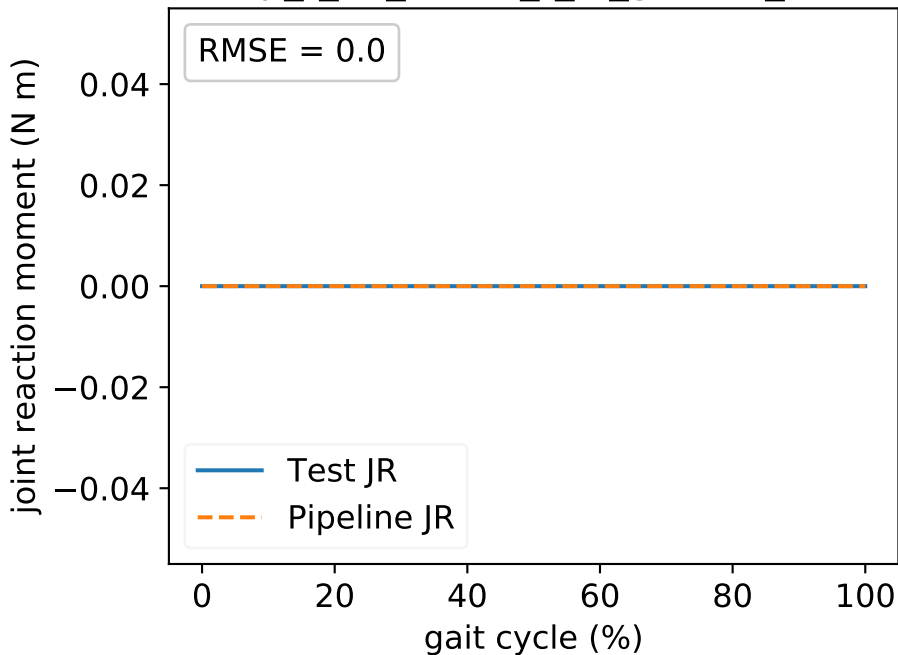
hip_r_on_femur_r_in_ground_fy



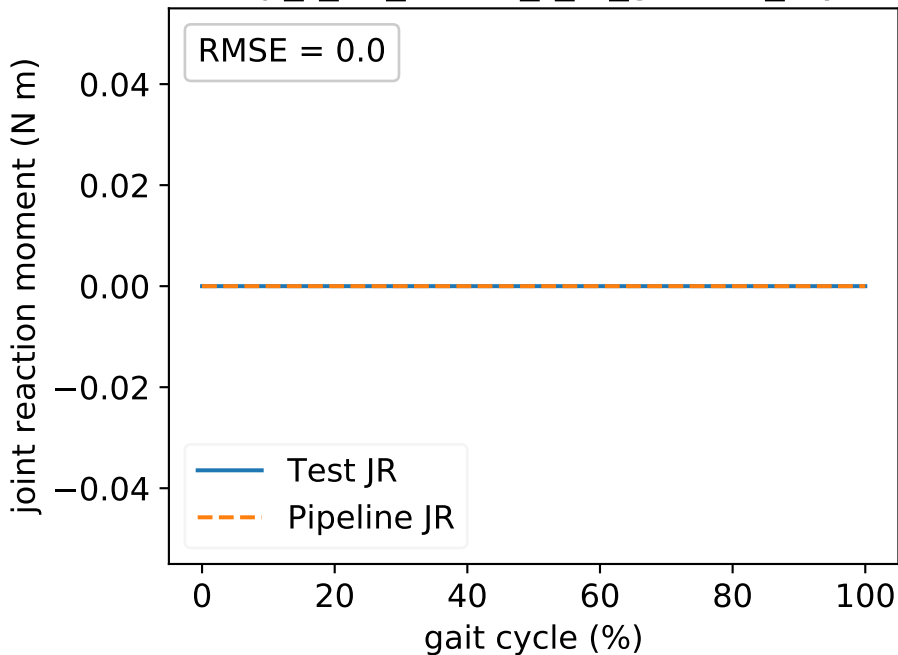
hip_r_on_femur_r_in_ground_fz



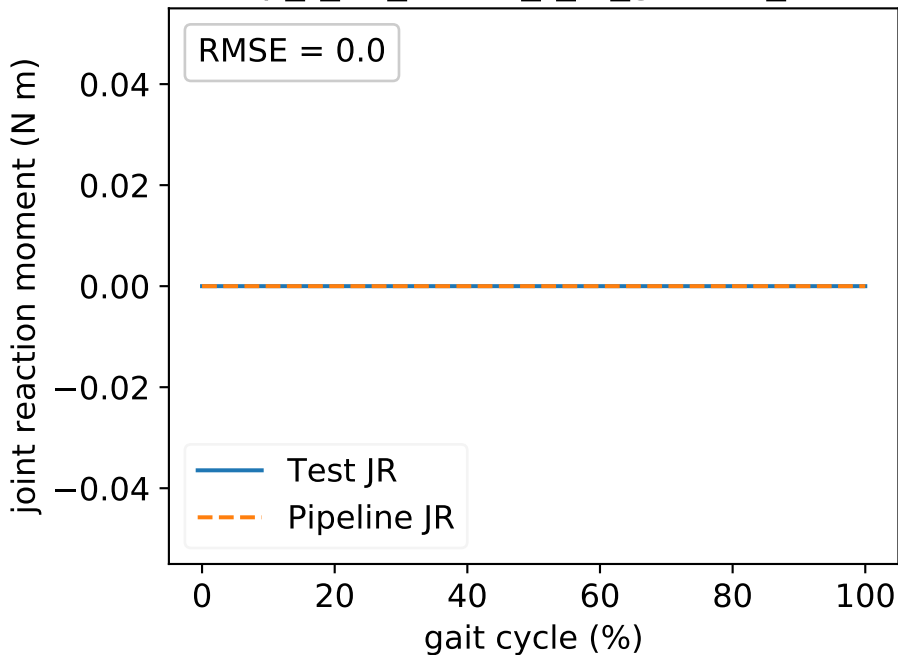
hip_r_on_femur_r_in_ground_mx



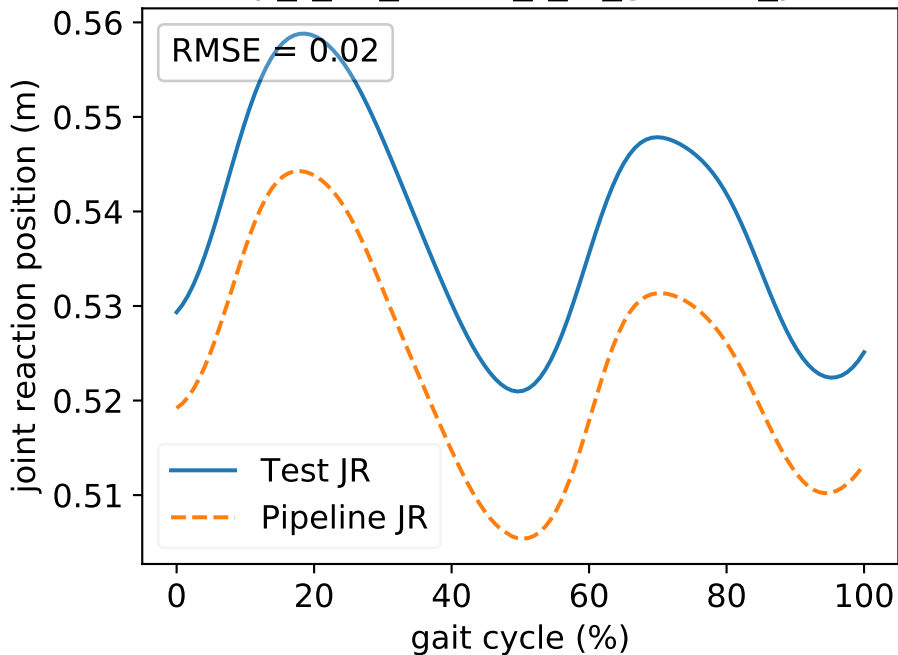
hip_r_on_femur_r_in_ground_my



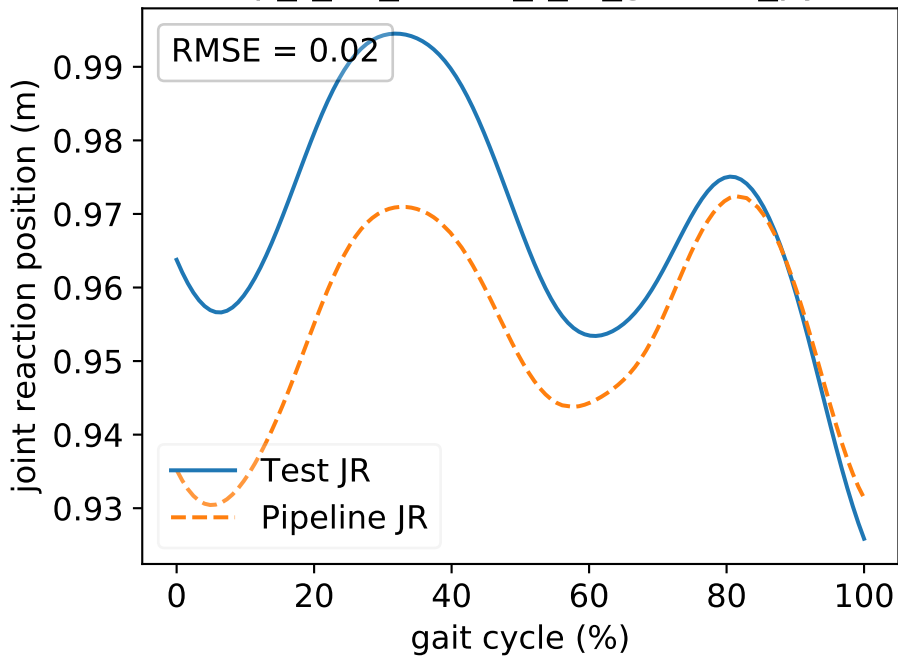
hip_r_on_femur_r_in_ground_mz



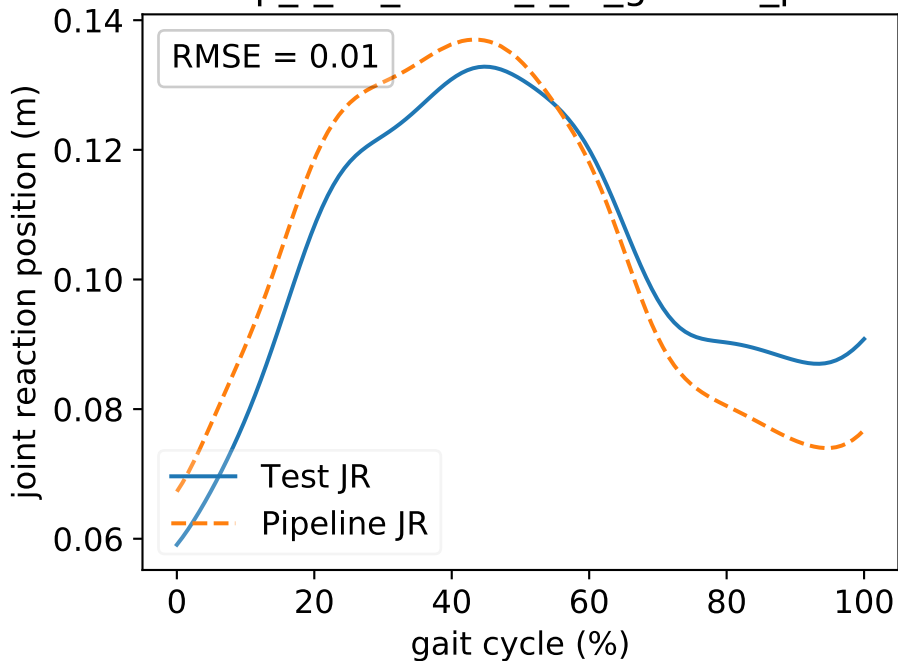
hip_r_on_femur_r_in_ground_px



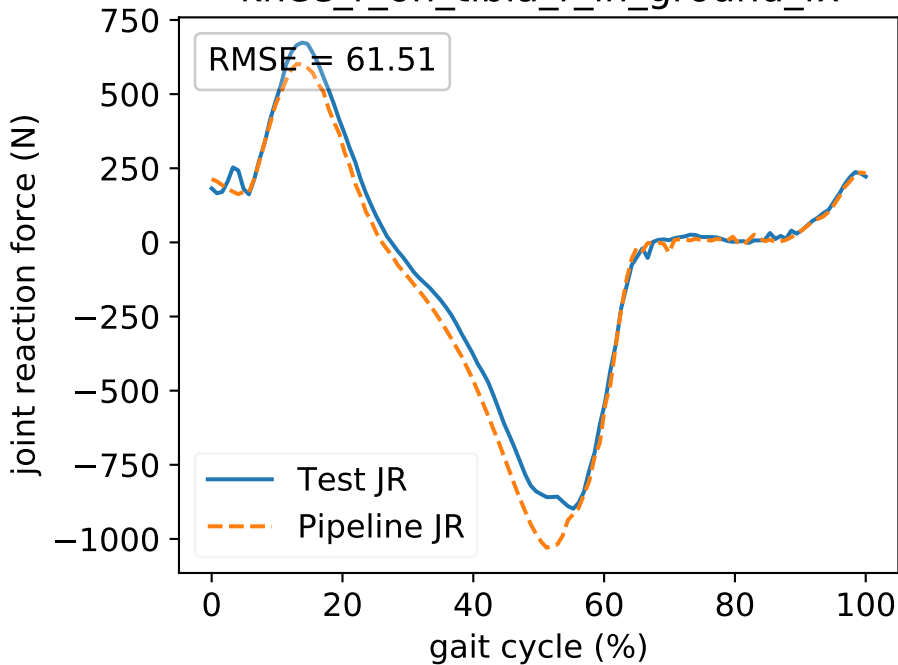
hip_r_on_femur_r_in_ground_py



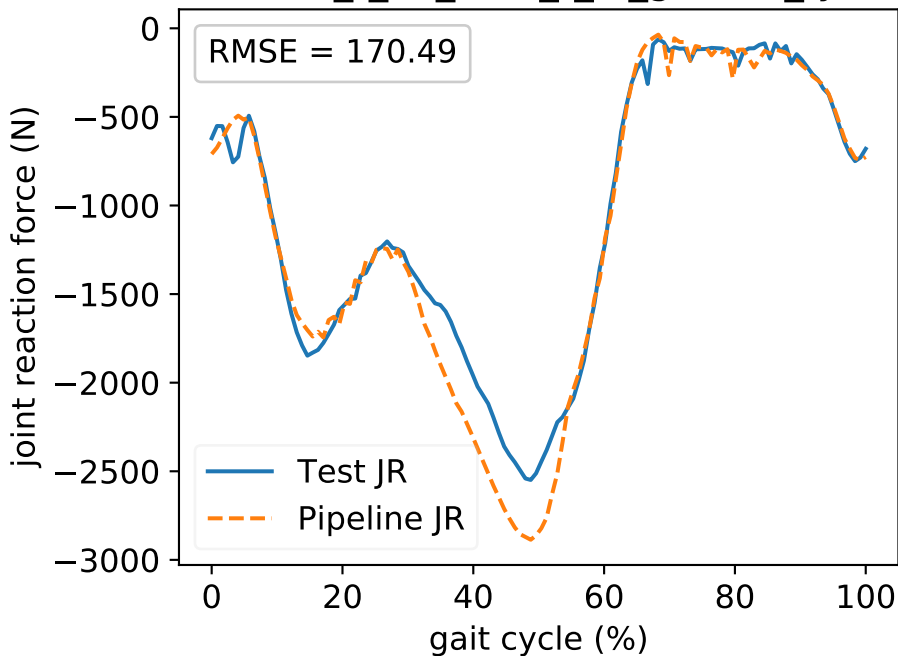
hip_r_on_femur_r_in_ground_pz



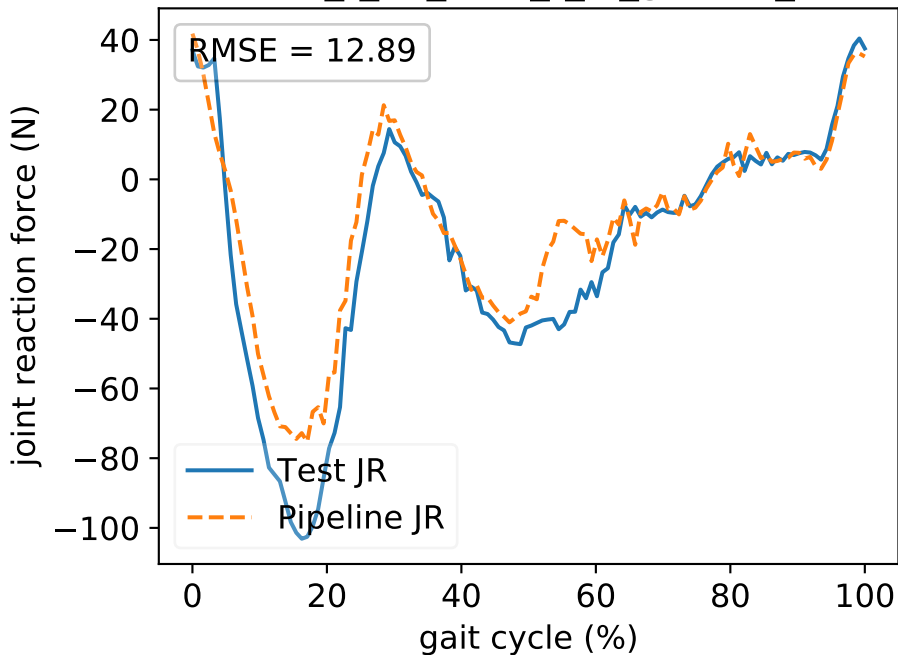
knee_r_on_tibia_r_in_ground_fx



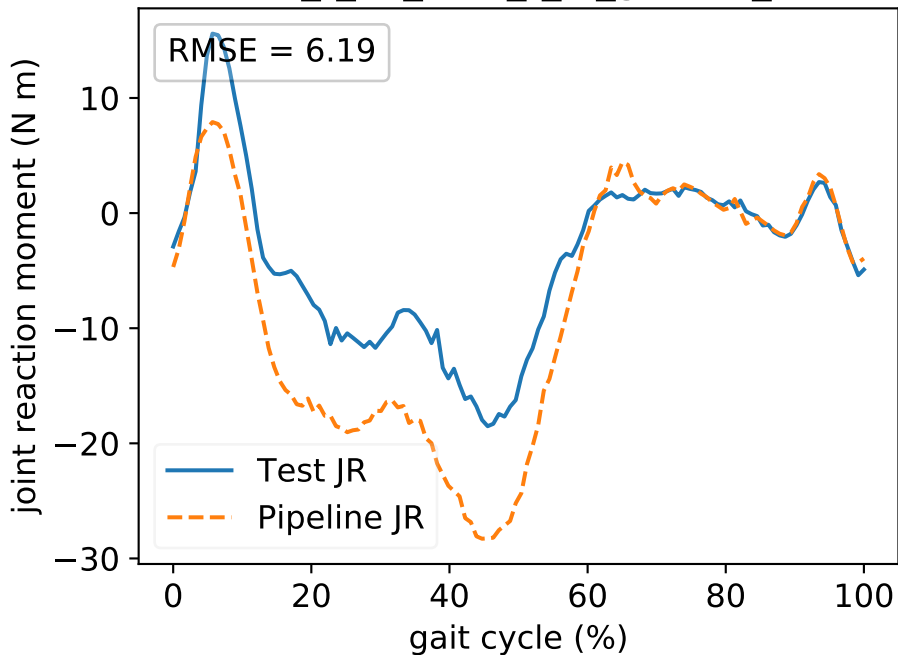
knee_r_on_tibia_r_in_ground_fy



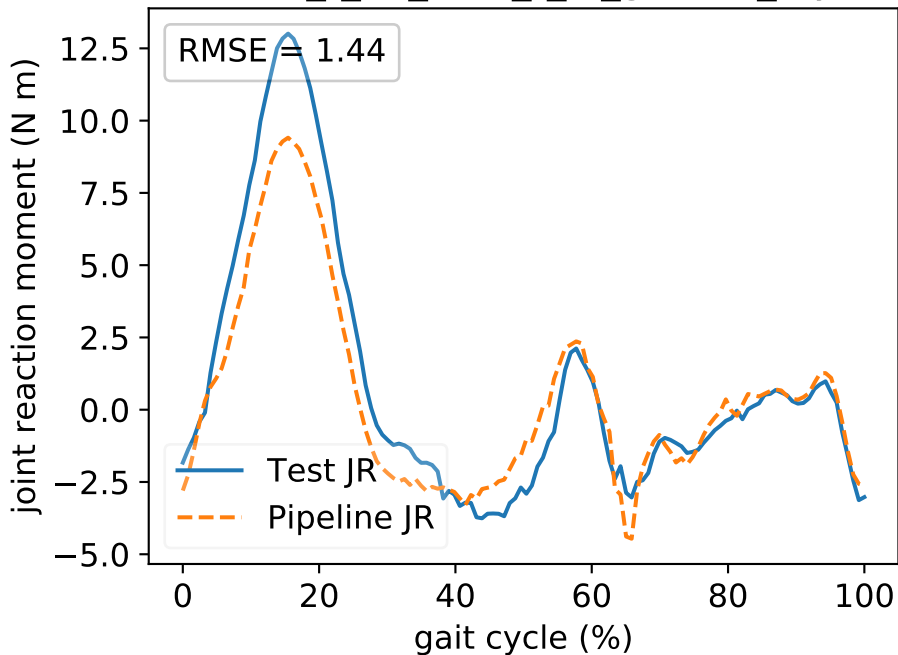
knee_r_on_tibia_r_in_ground_fz



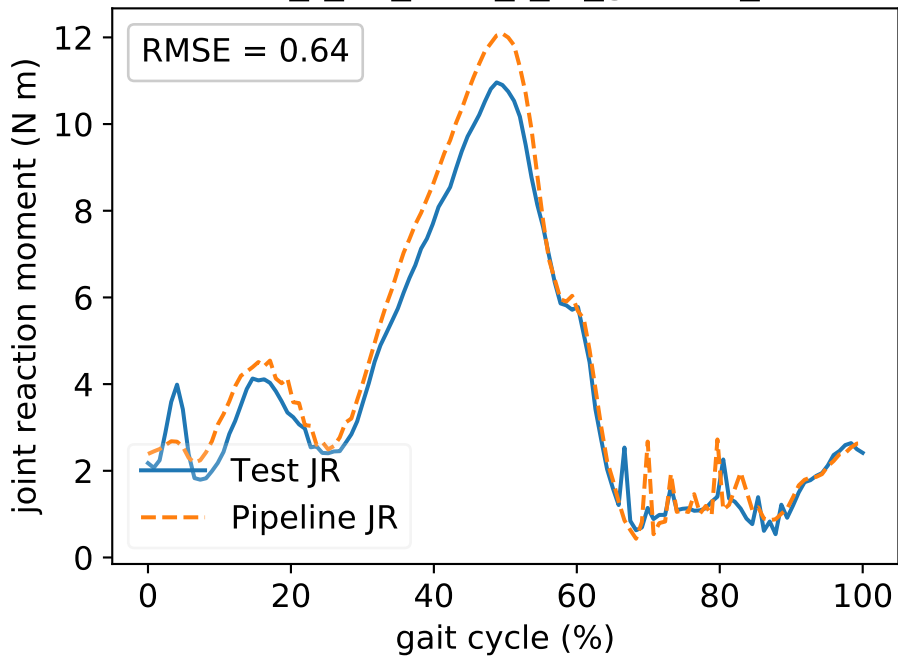
knee_r_on_tibia_r_in_ground_mx



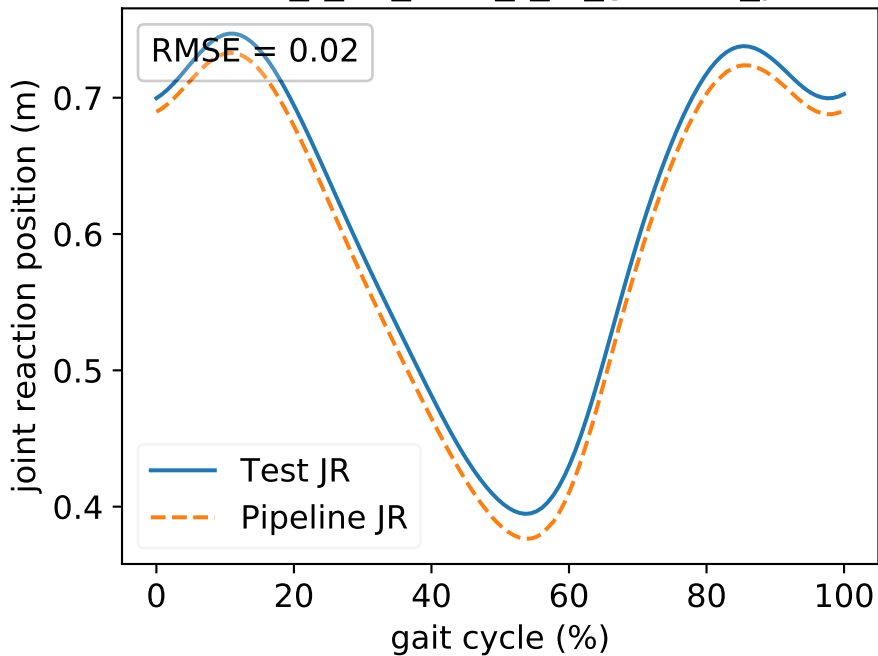
knee_r_on_tibia_r_in_ground_my



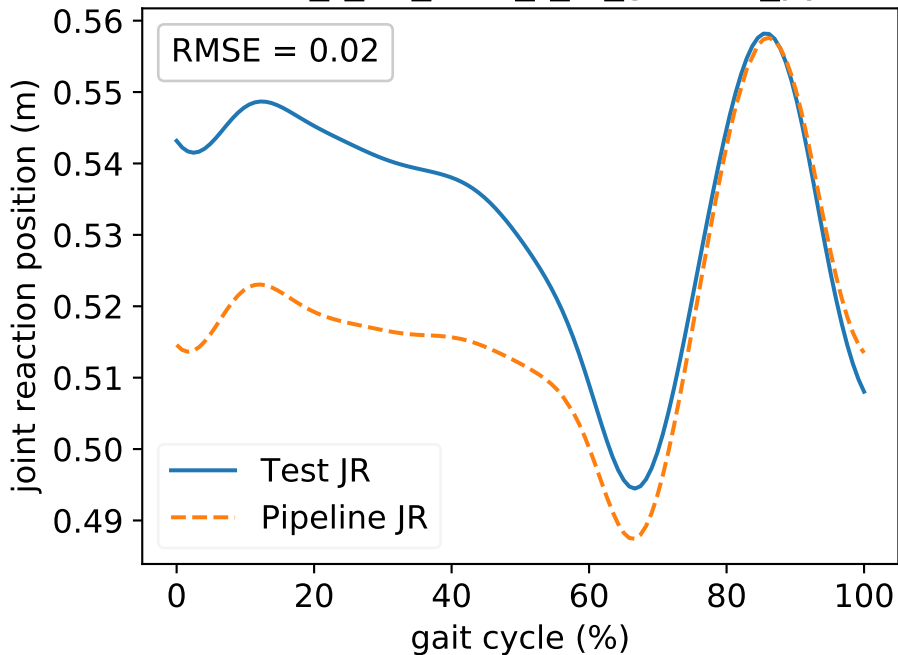
knee_r_on_tibia_r_in_ground_mz



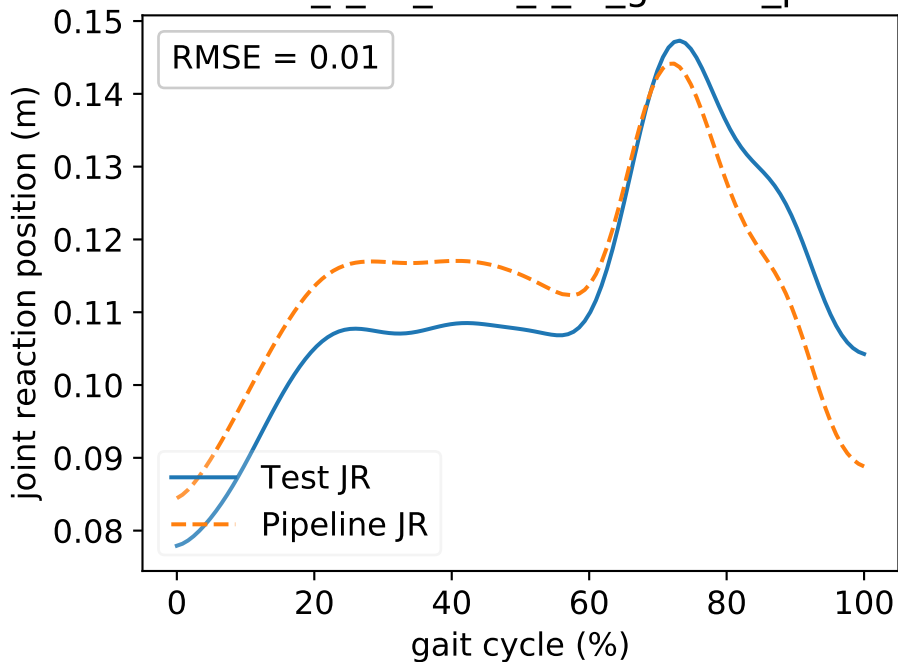
knee_r_on_tibia_r_in_ground_px



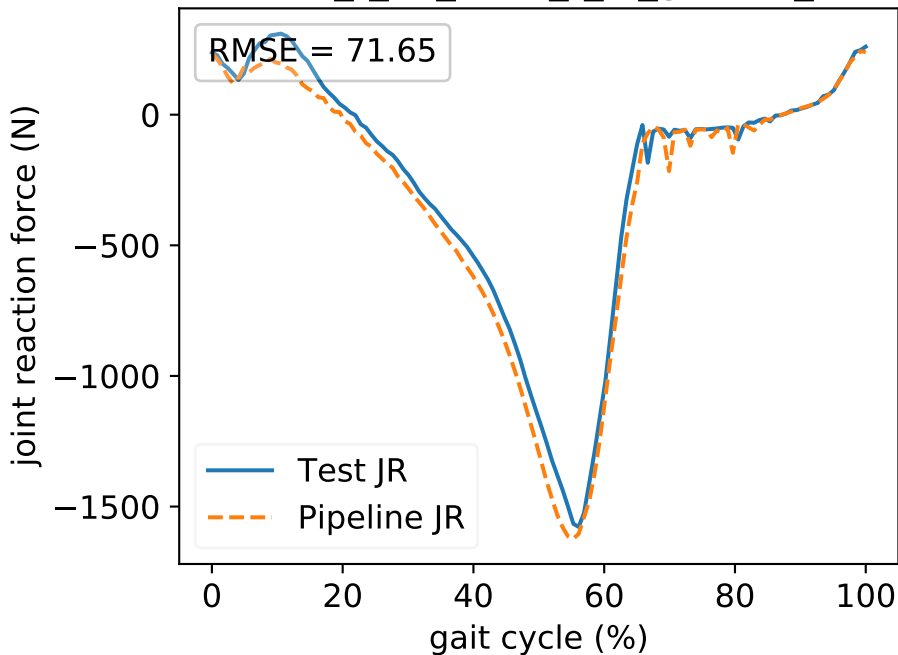
knee_r_on_tibia_r_in_ground_py



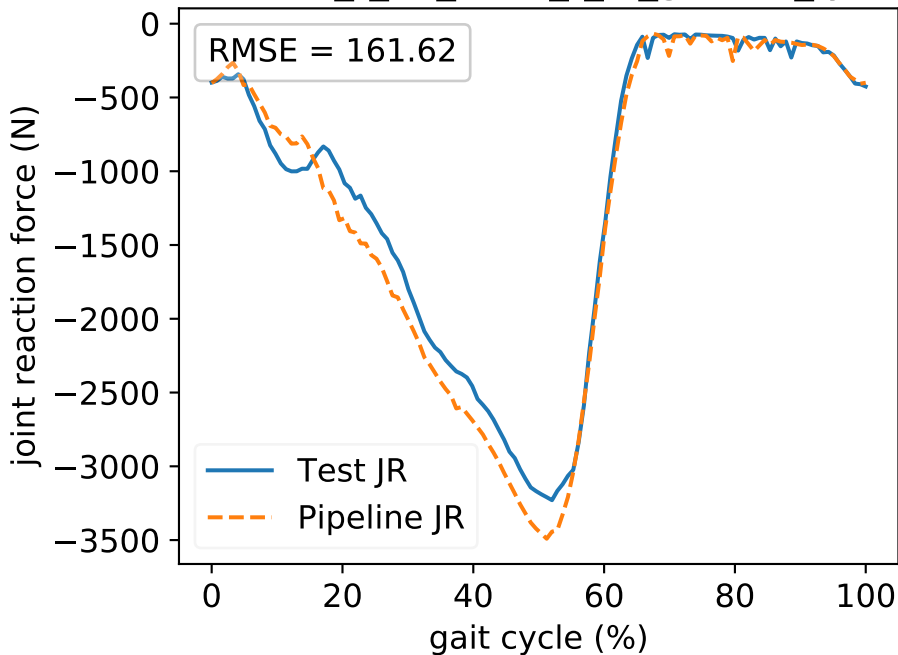
knee_r_on_tibia_r_in_ground_pz



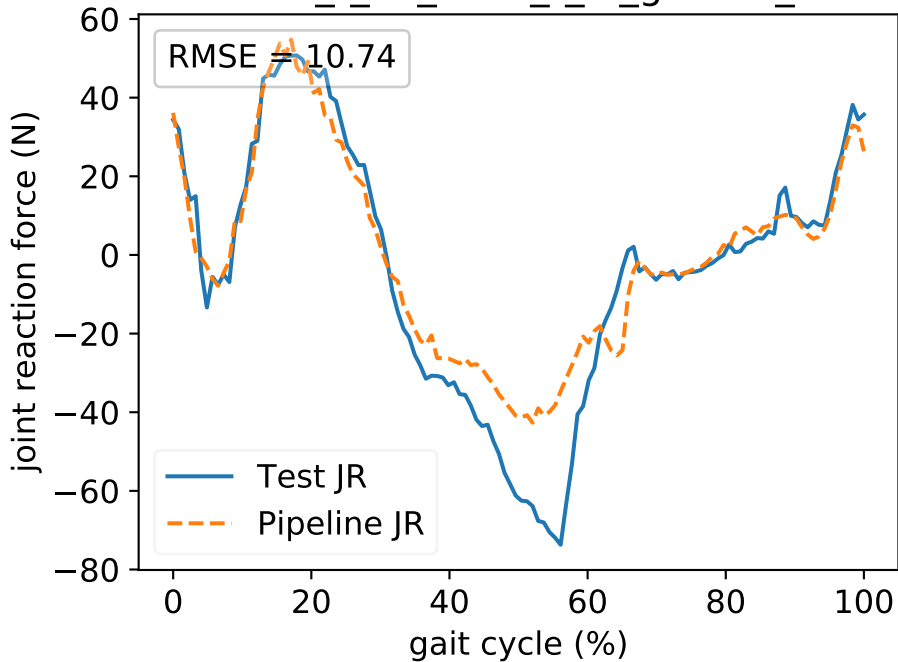
ankle_r_on_talus_r_in_ground_fx



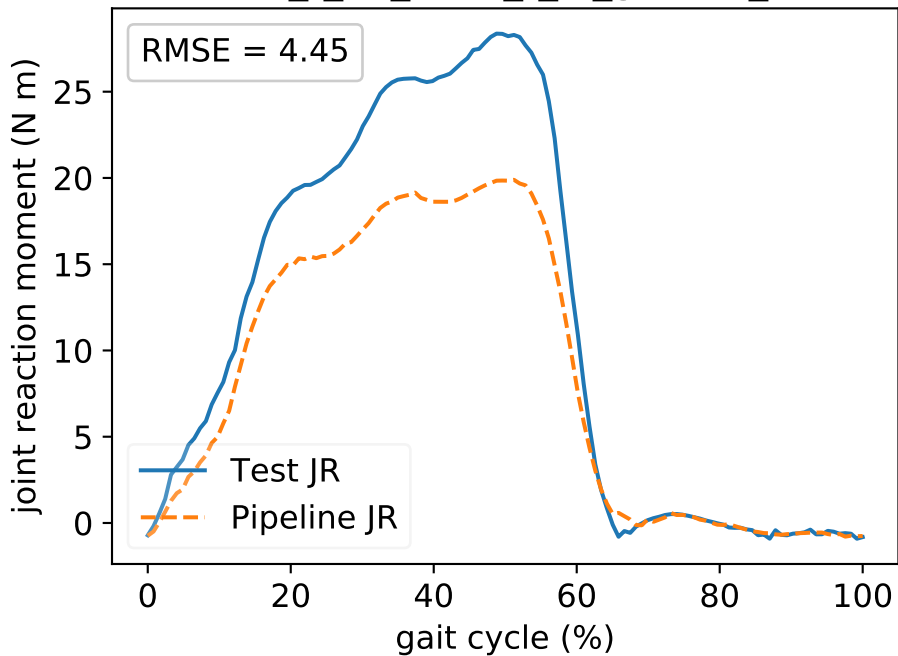
ankle_r_on_talus_r_in_ground_fy



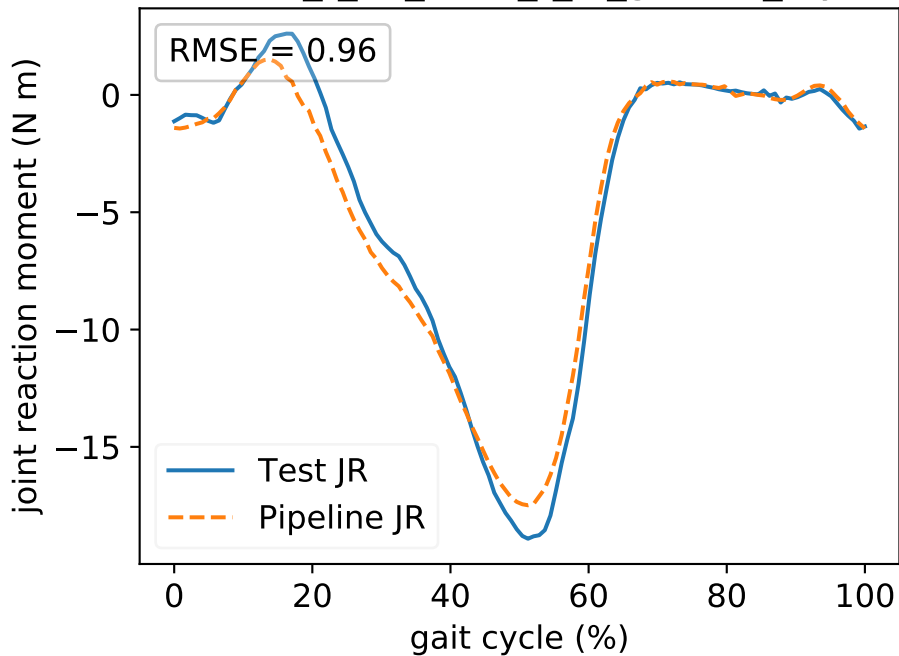
ankle_r_on_talus_r_in_ground_fz



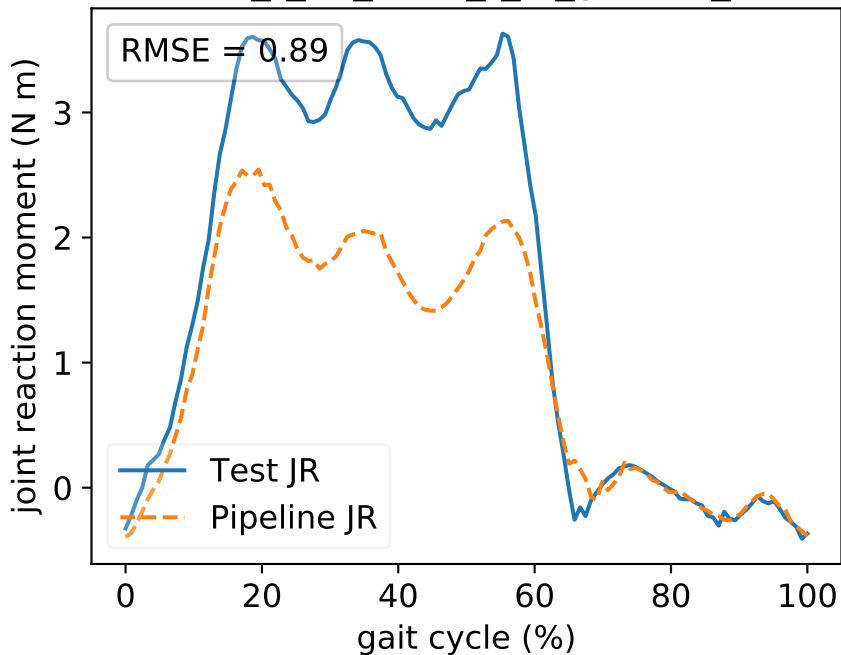
ankle_r_on_talus_r_in_ground_mx



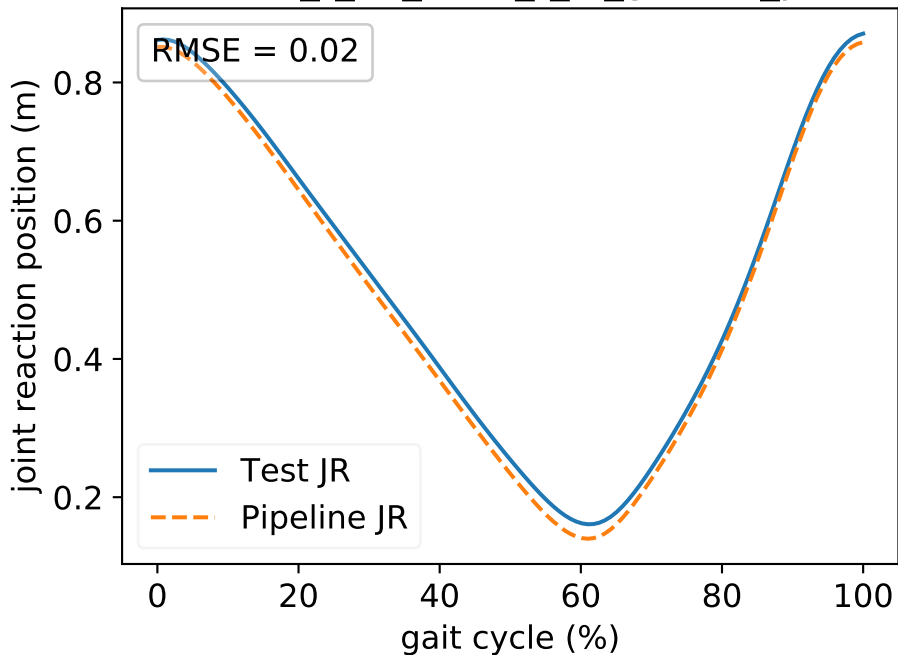
ankle_r_on_talus_r_in_ground_my



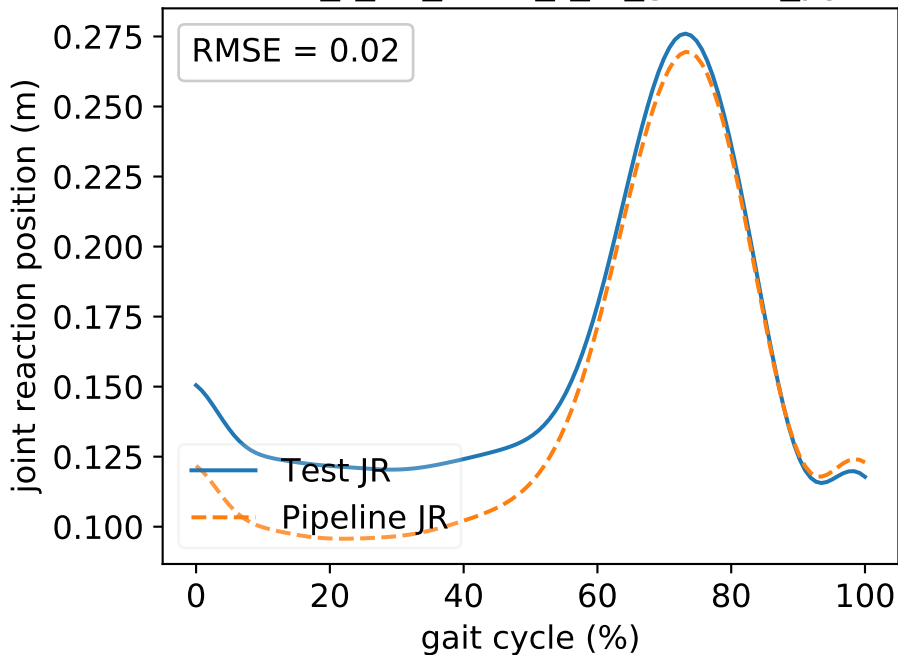
ankle_r_on_talus_r_in_ground_mz



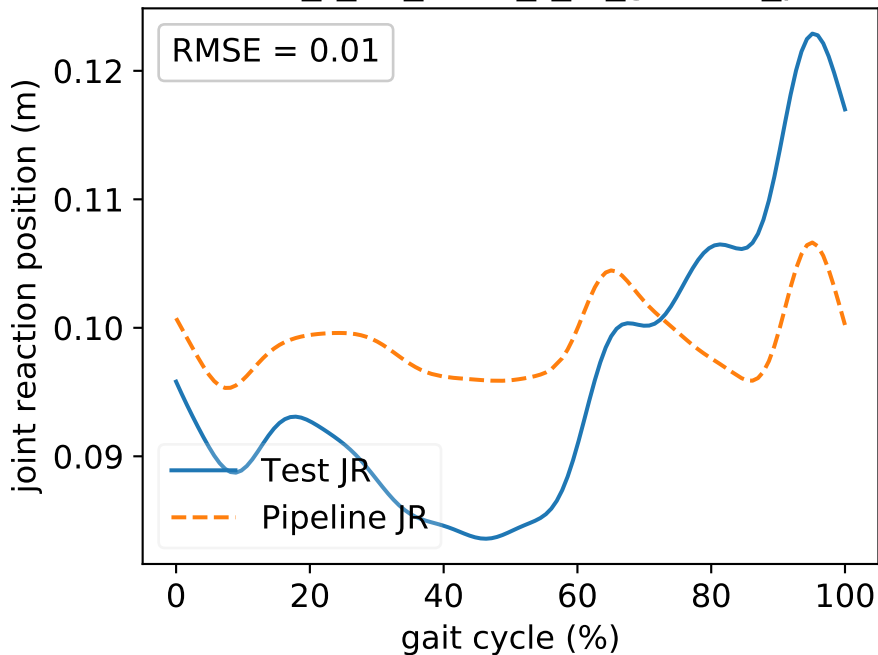
ankle_r_on_talus_r_in_ground_px



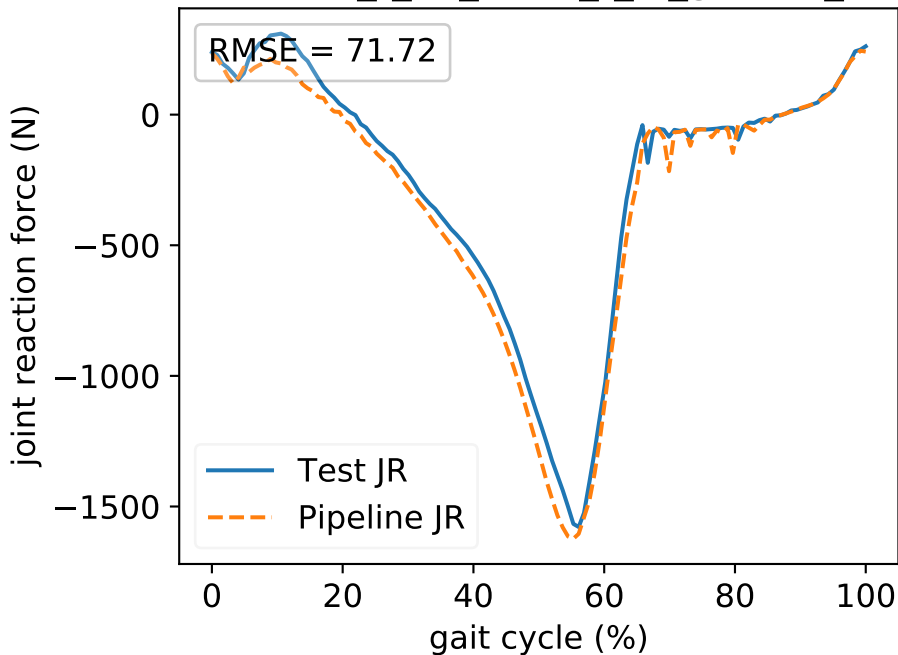
ankle_r_on_talus_r_in_ground_py



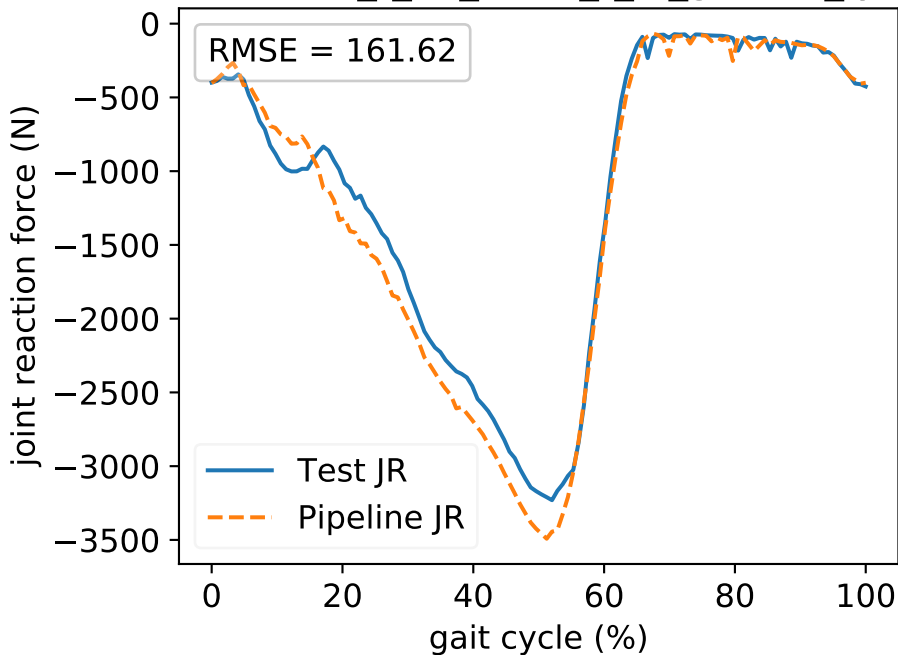
ankle_r_on_talus_r_in_ground_pz



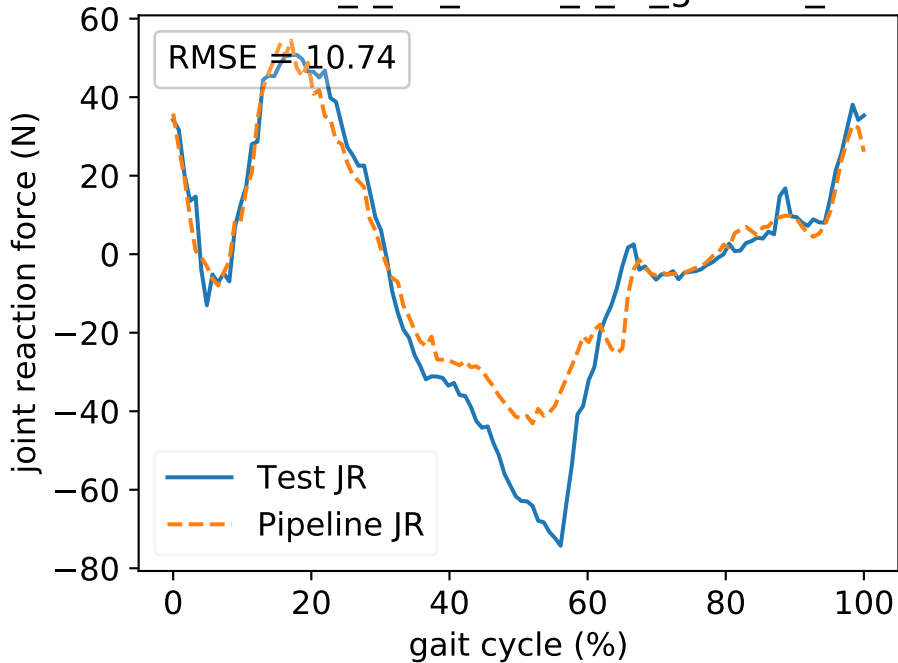
subtalar_r_on_calcn_r_in_ground_fx



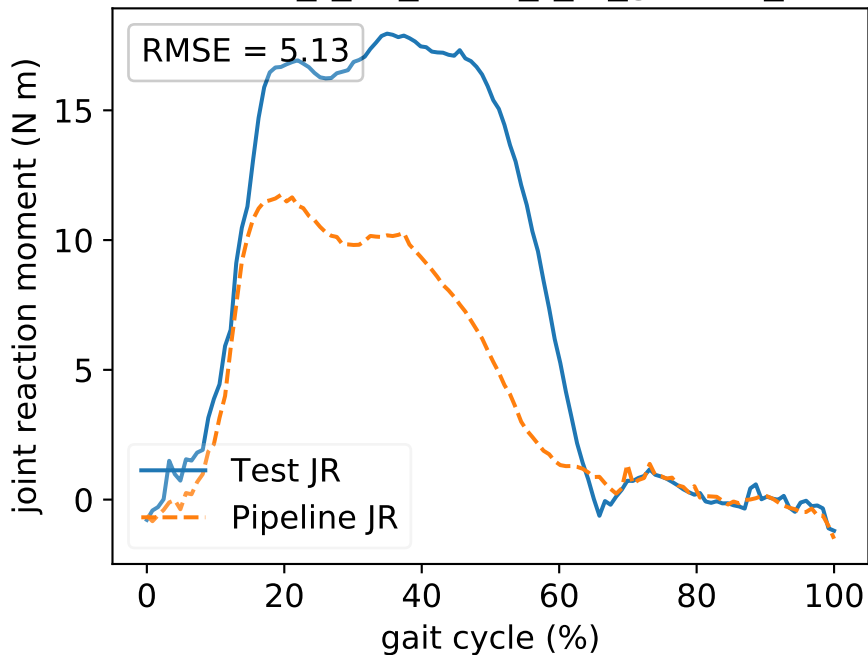
subtalar_r_on_calcn_r_in_ground_fy



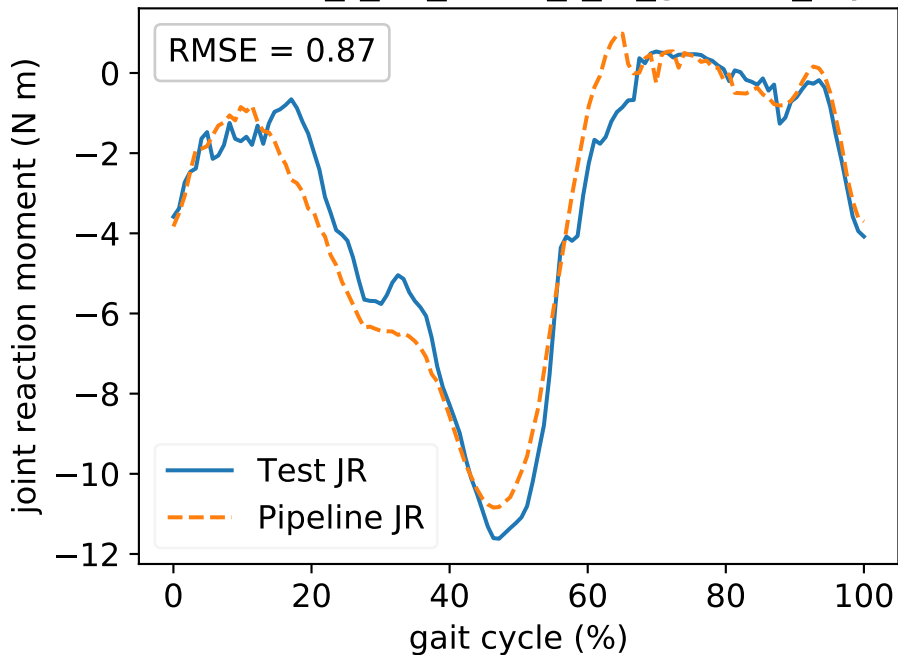
subtalar_r_on_calcn_r_in_ground_fz



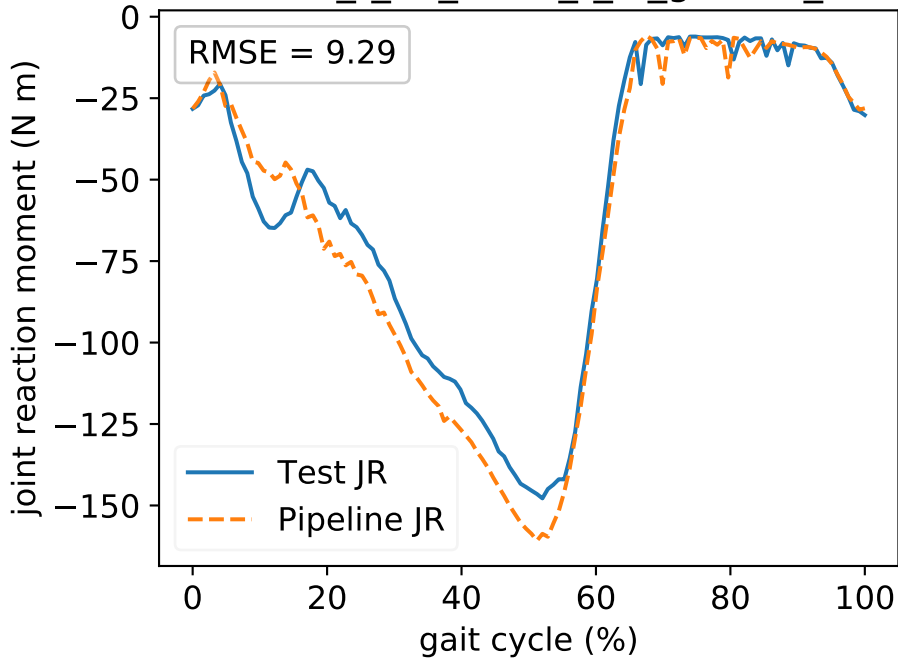
subtalar_r_on_calcn_r_in_ground_mx



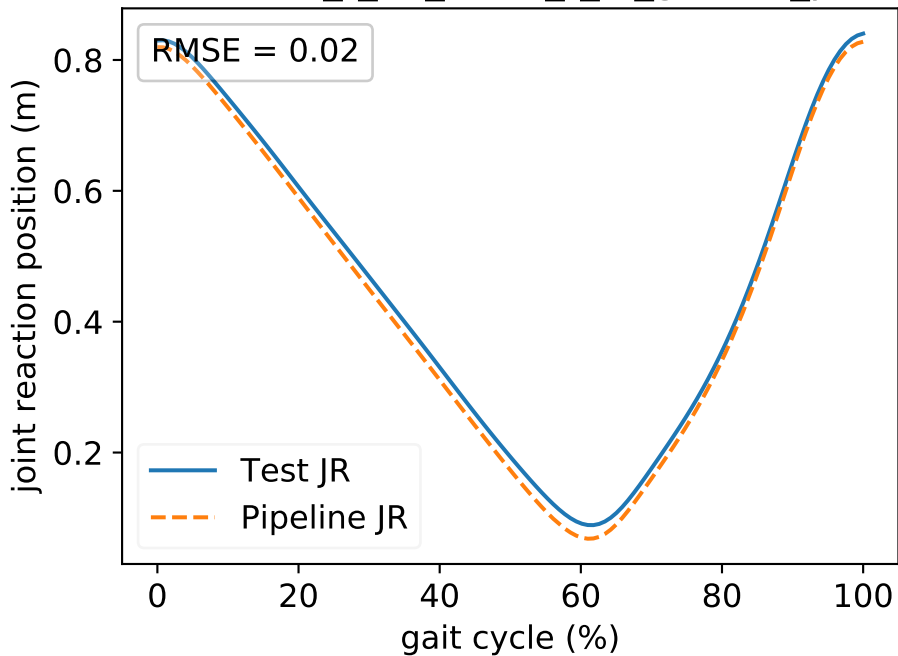
subtalar_r_on_calcn_r_in_ground_my



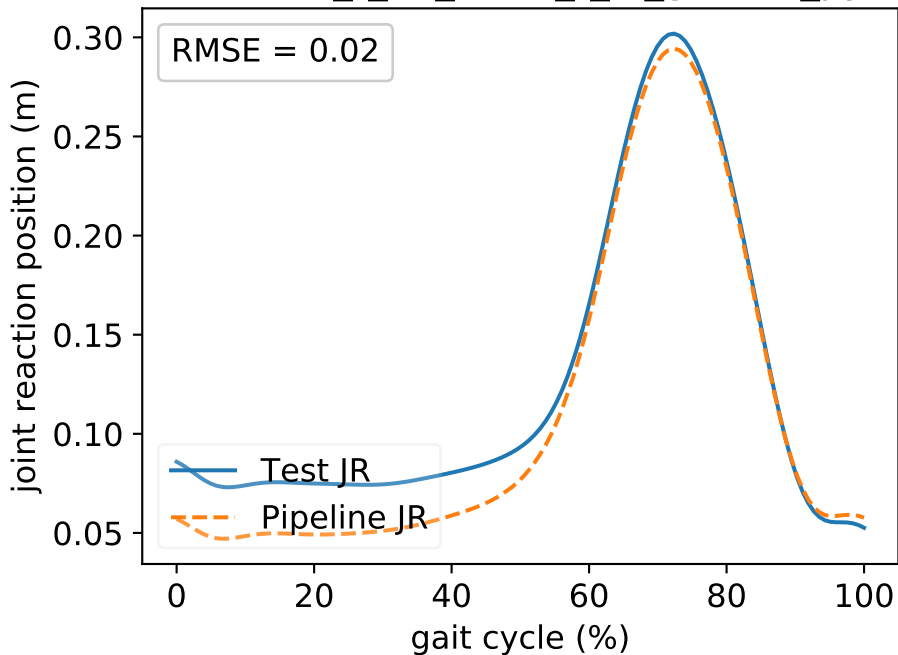
subtalar_r_on_calcn_r_in_ground_mz



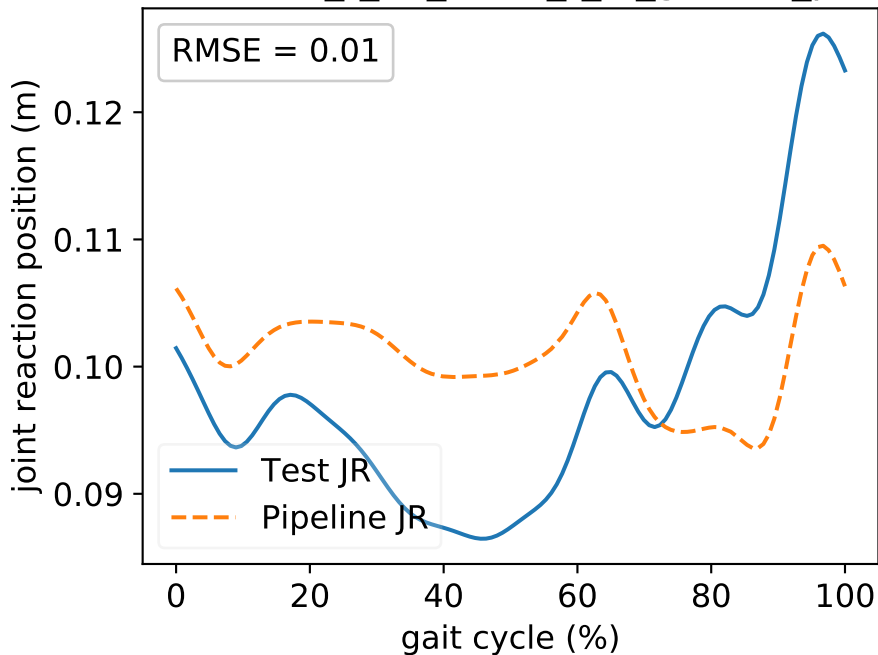
subtalar_r_on_calcn_r_in_ground_px



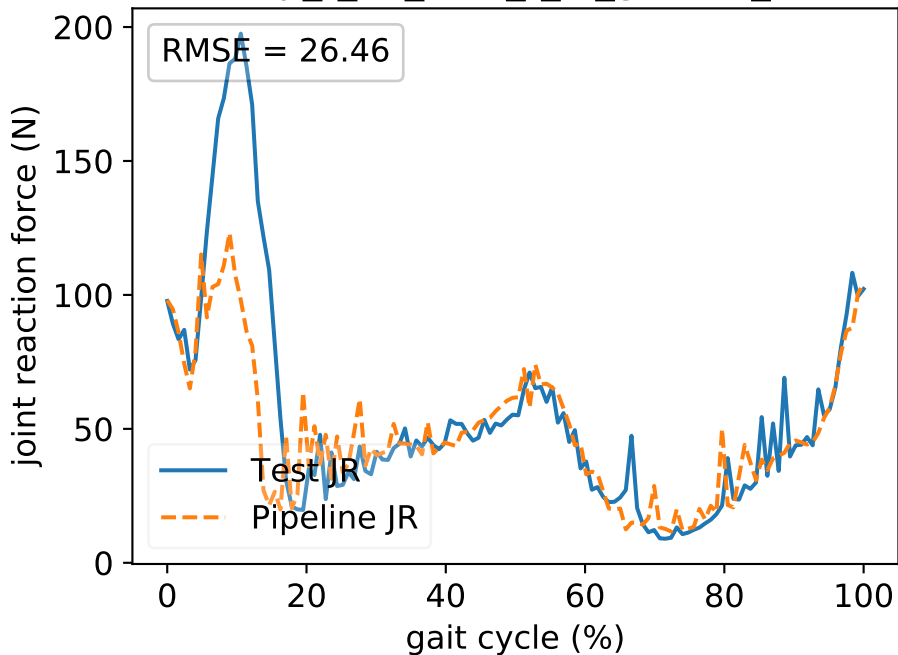
subtalar_r_on_calcn_r_in_ground_py



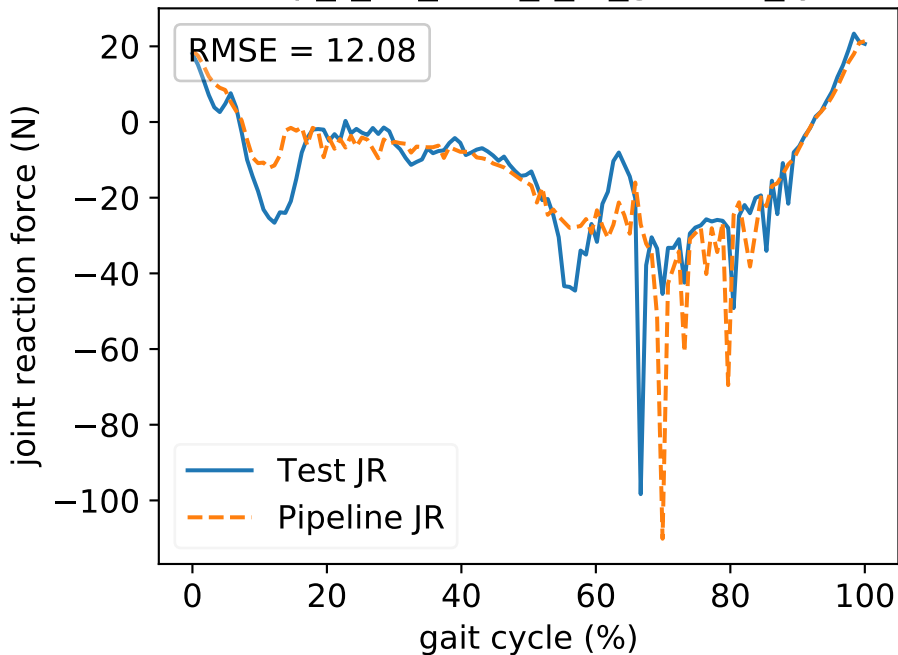
subtalar_r_on_calcn_r_in_ground_pz



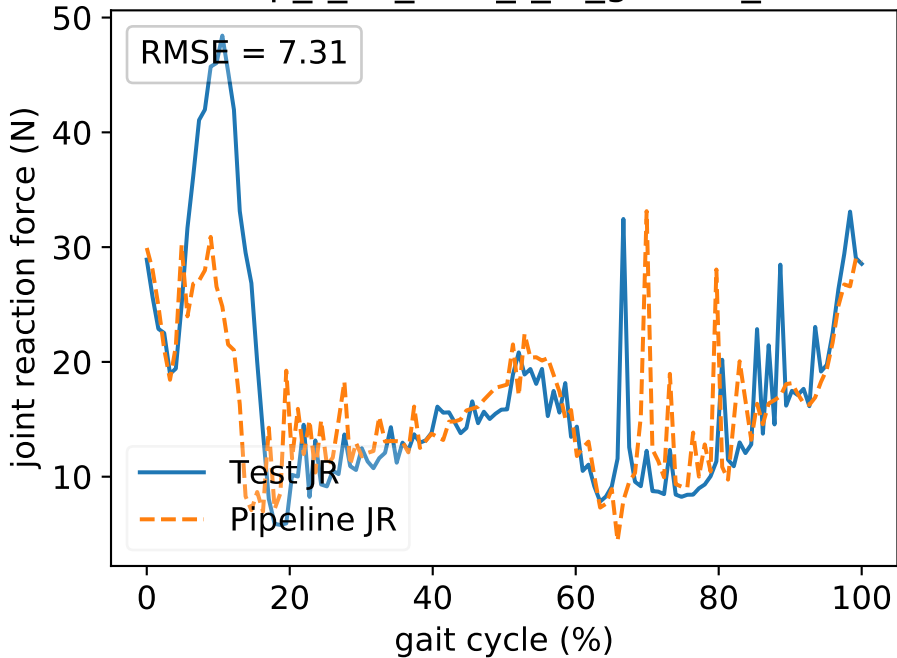
mtp_r_on_toes_r_in_ground_fx



mtp_r_on_toes_r_in_ground_fy



mtp_r_on_toes_r_in_ground_fz



mtp_r_on_toes_r_in_ground_mx

RMSE = 0.09

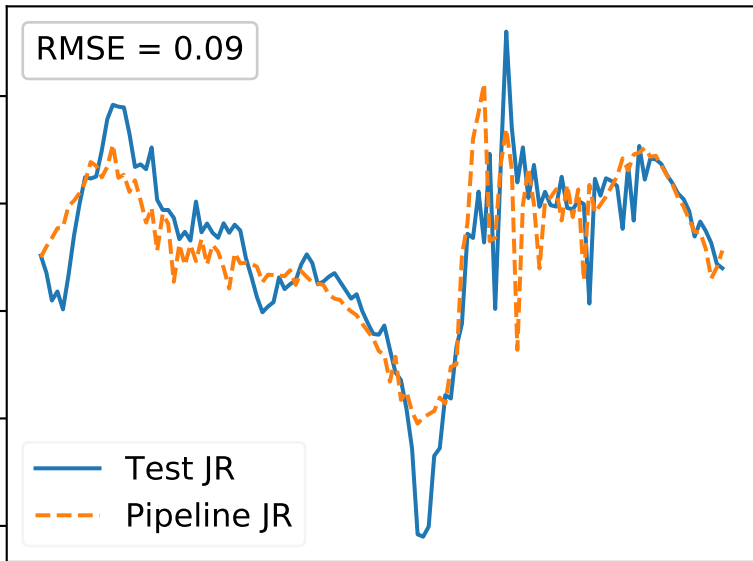
joint reaction moment (N m)

0.2
0.0
-0.2
-0.4
-0.6

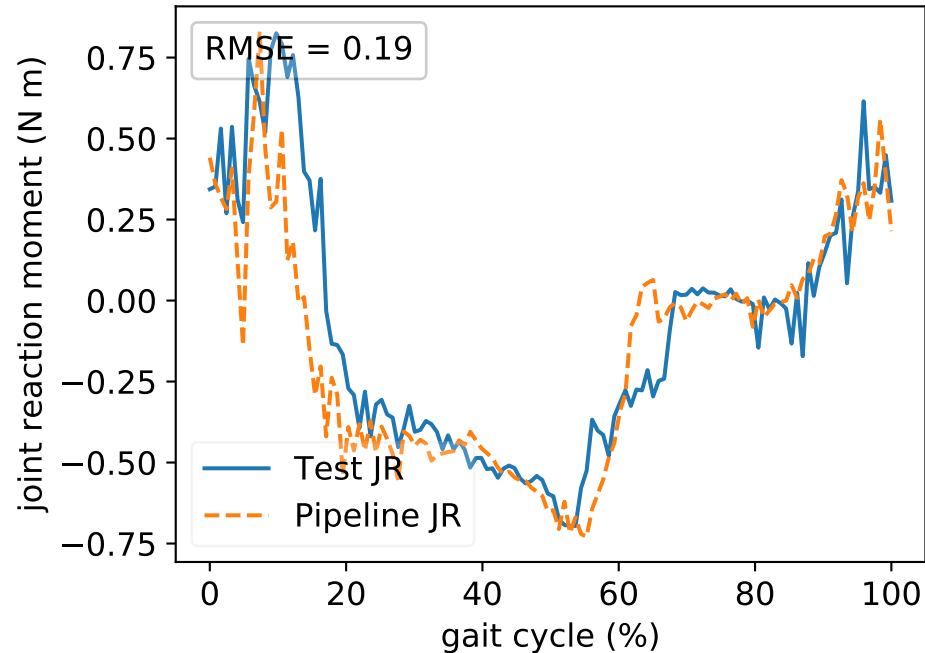
Test JR
Pipeline JR

gait cycle (%)

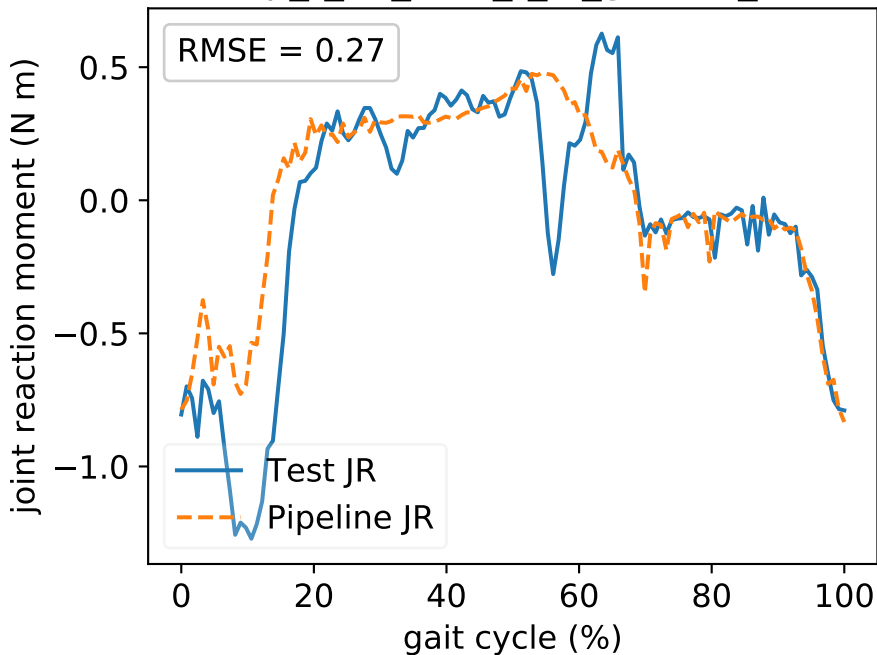
0 20 40 60 80 100



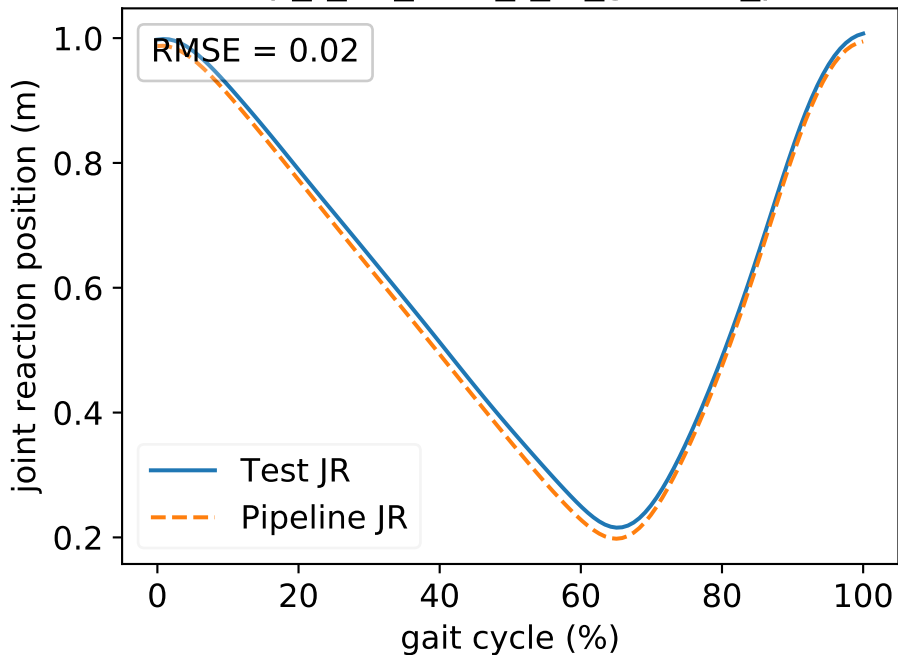
mtp_r_on_toes_r_in_ground_my



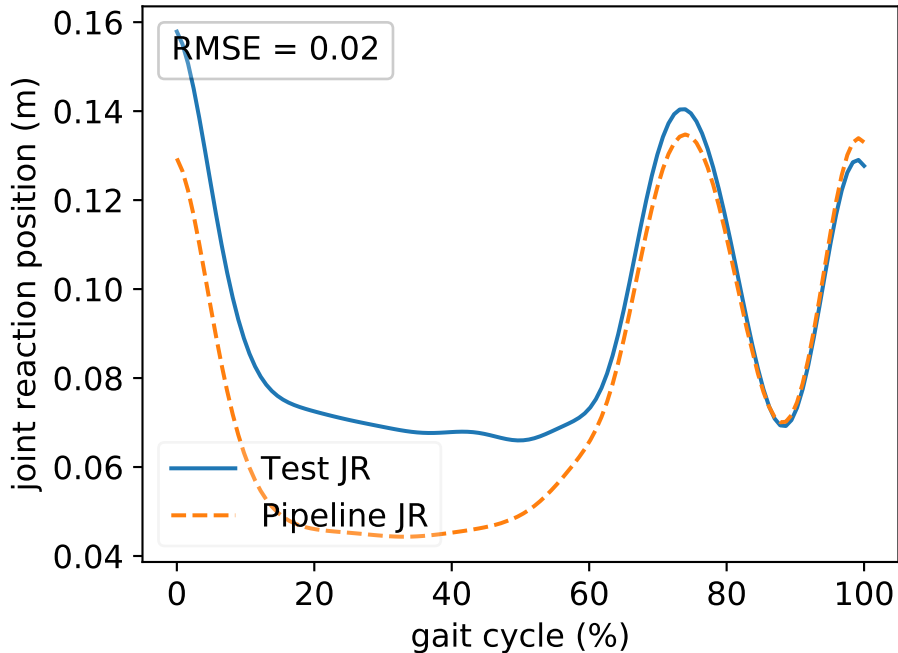
mtp_r_on_toes_r_in_ground_mz



mtp_r_on_toes_r_in_ground_px



mtp_r_on_toes_r_in_ground_py



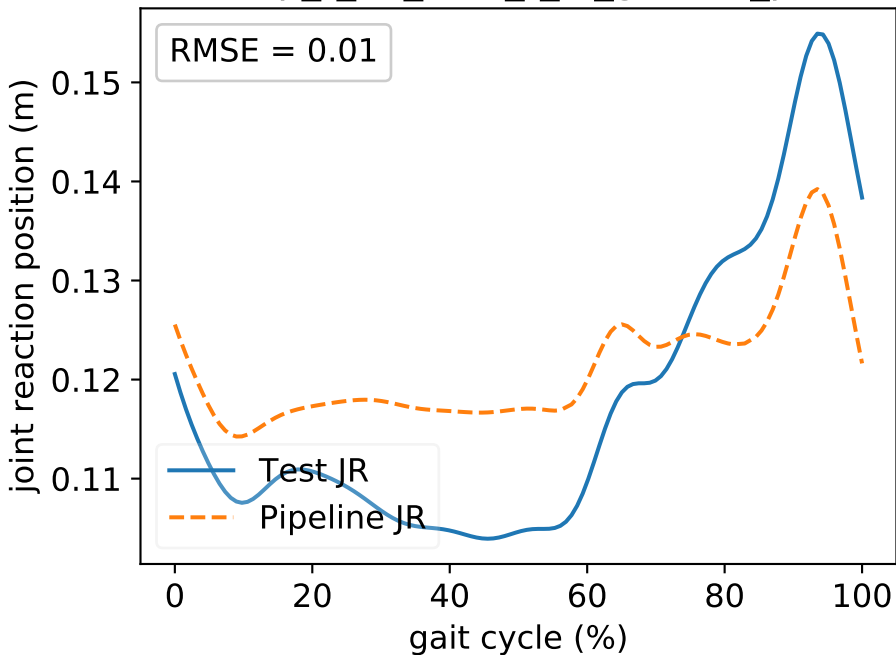
mtp_r_on_toes_r_in_ground_pz

RMSE = 0.01

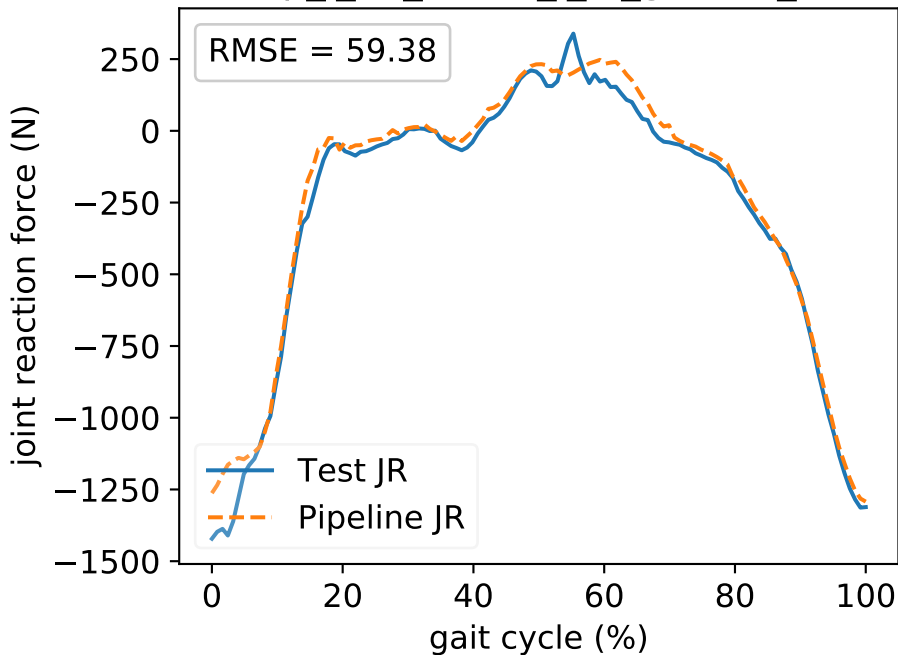
joint reaction position (m)

Test JR
Pipeline JR

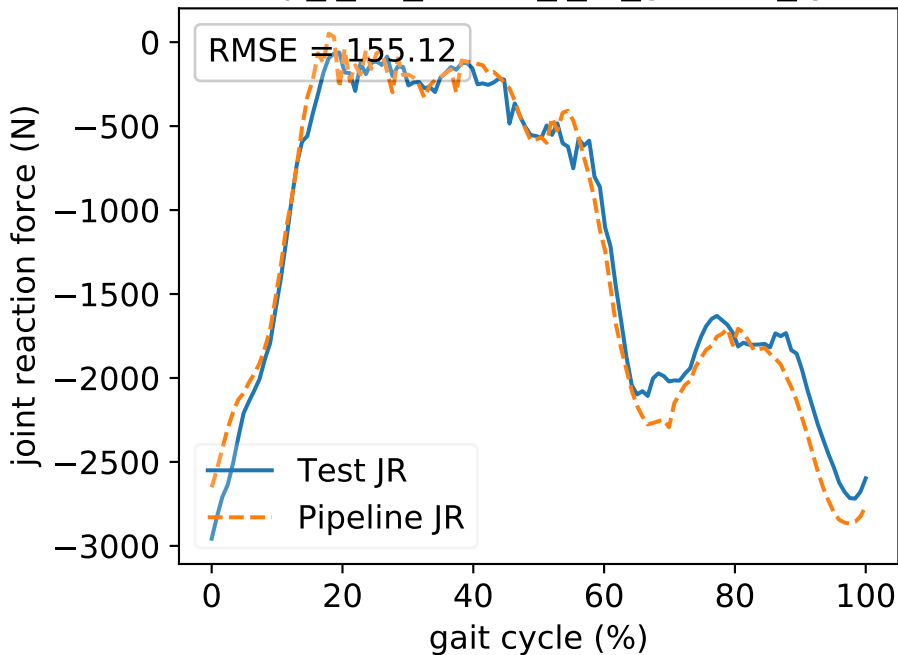
gait cycle (%)



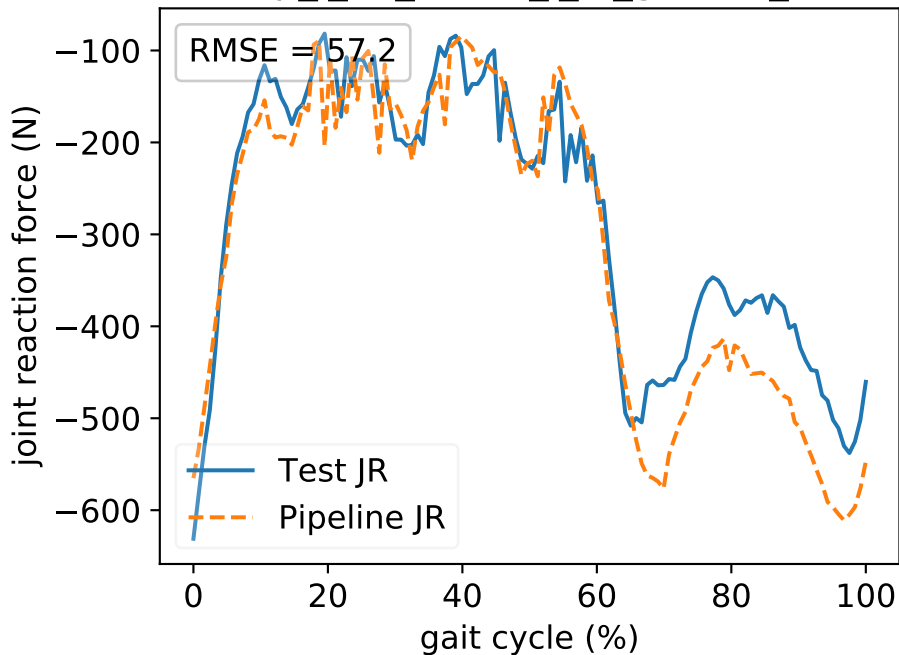
hip_l_on_femur_l_in_ground_fx



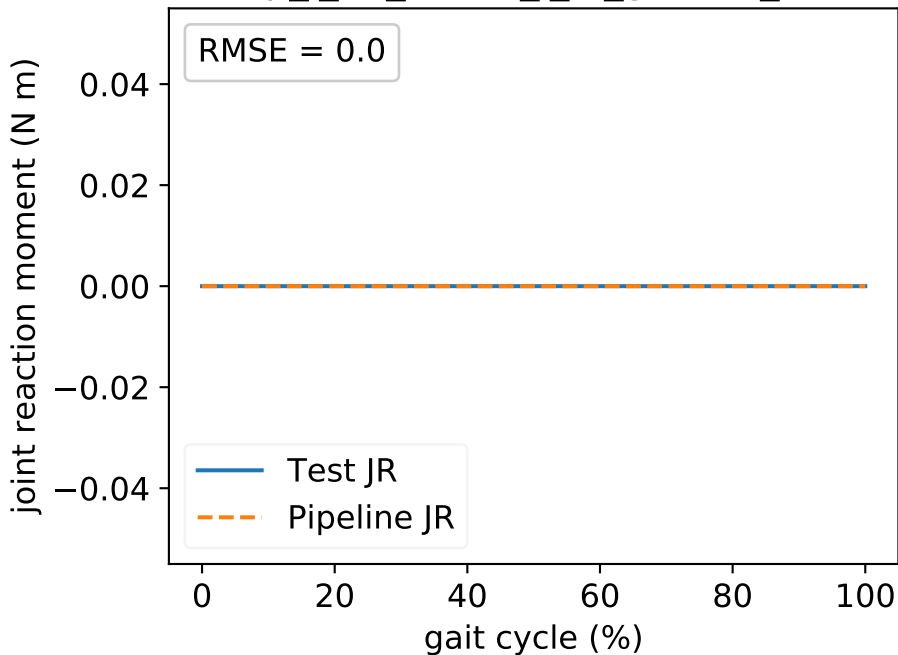
hip_l_on_femur_l_in_ground_fy



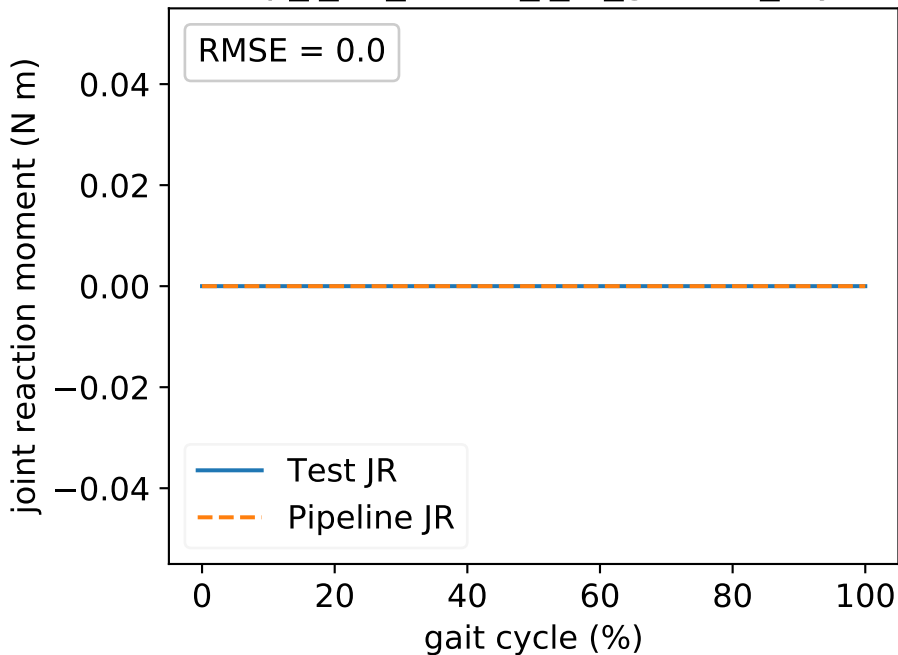
hip_l_on_femur_l_in_ground_fz



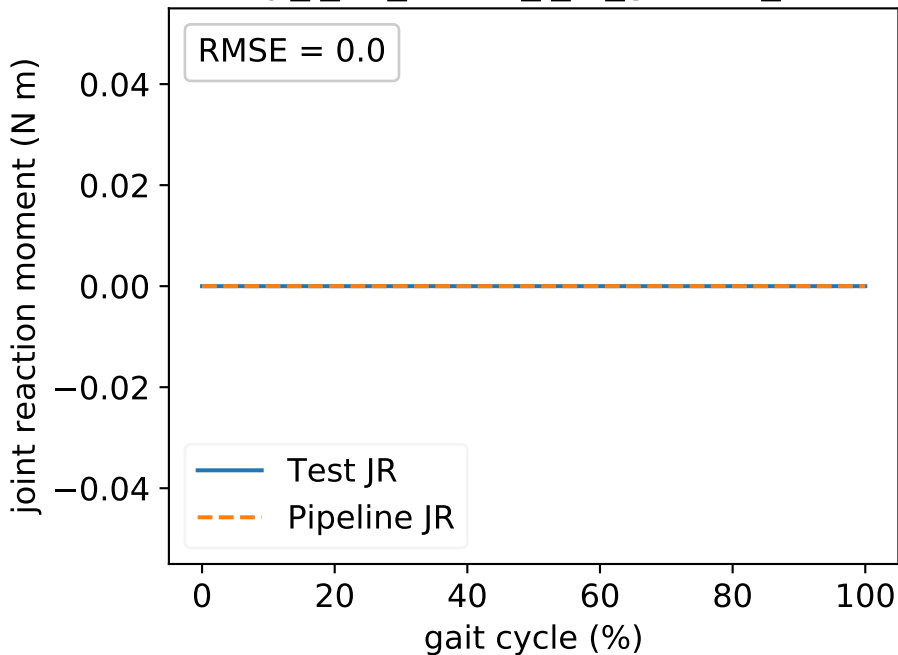
hip_l_on_femur_l_in_ground_mx



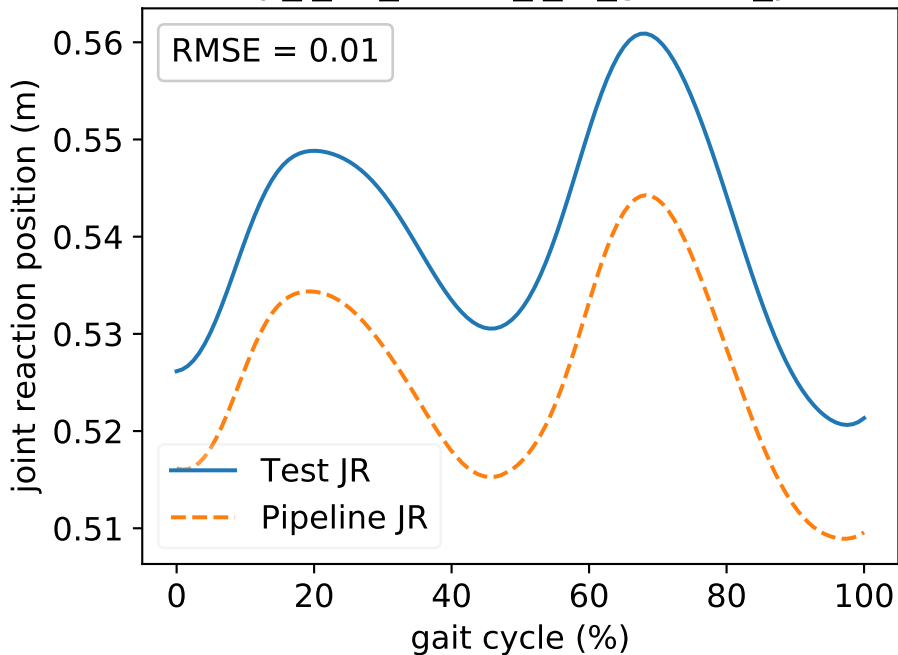
hip_l_on_femur_l_in_ground_my



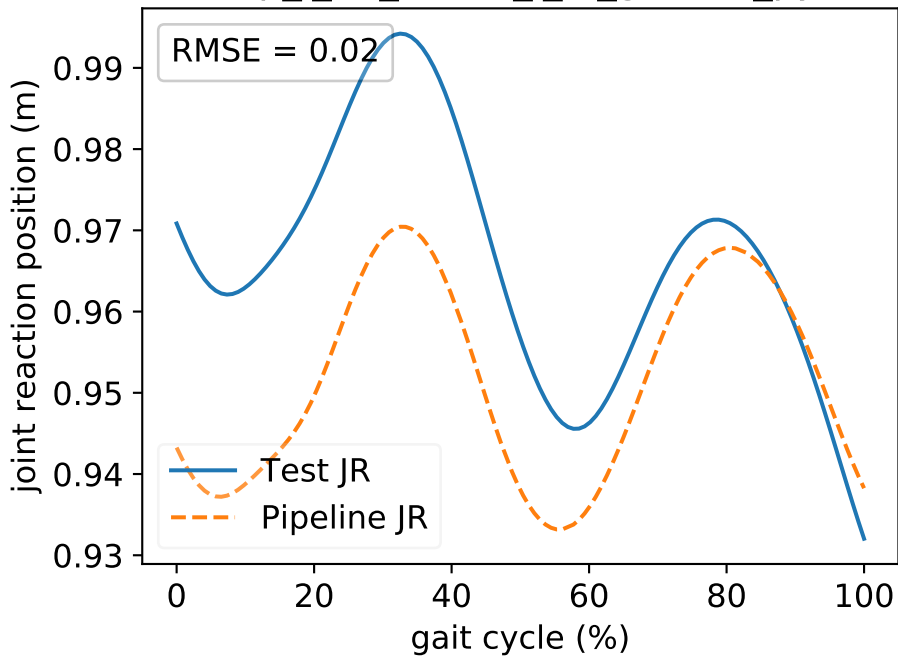
hip_l_on_femur_l_in_ground_mz



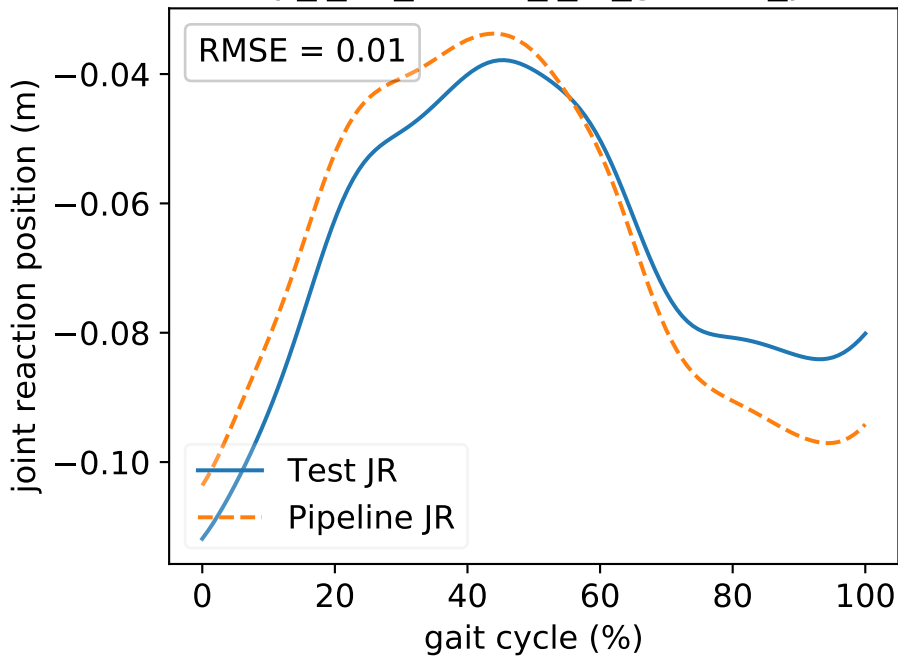
hip_l_on_femur_l_in_ground_px



hip_l_on_femur_l_in_ground_py



hip_l_on_femur_l_in_ground_pz



knee_l_on_tibia_l_in_ground_fx

RMSE = 56.23

joint reaction force (N)

500
250
0
-250
-500
-750
-1000

Test JR
Pipeline JR

0

20

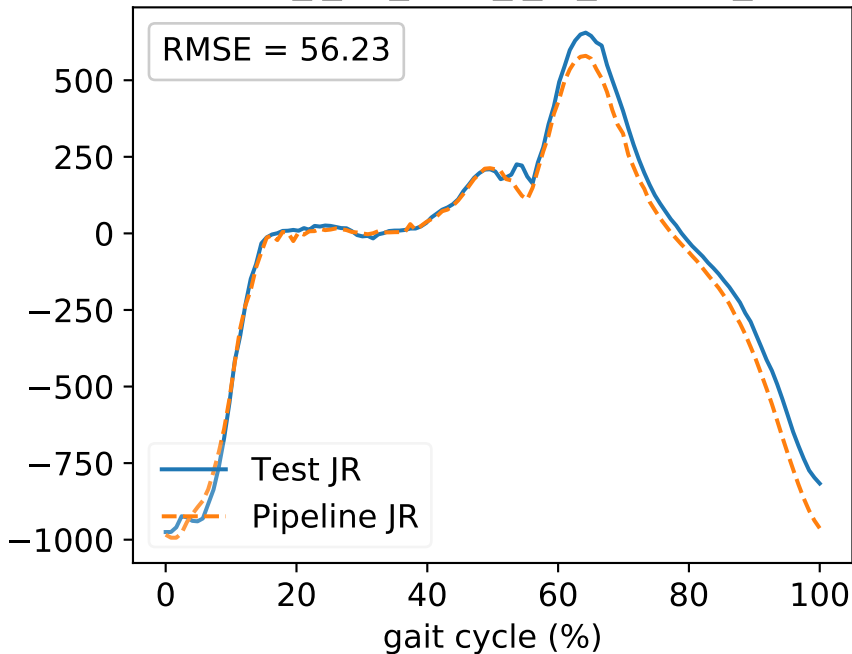
40

60

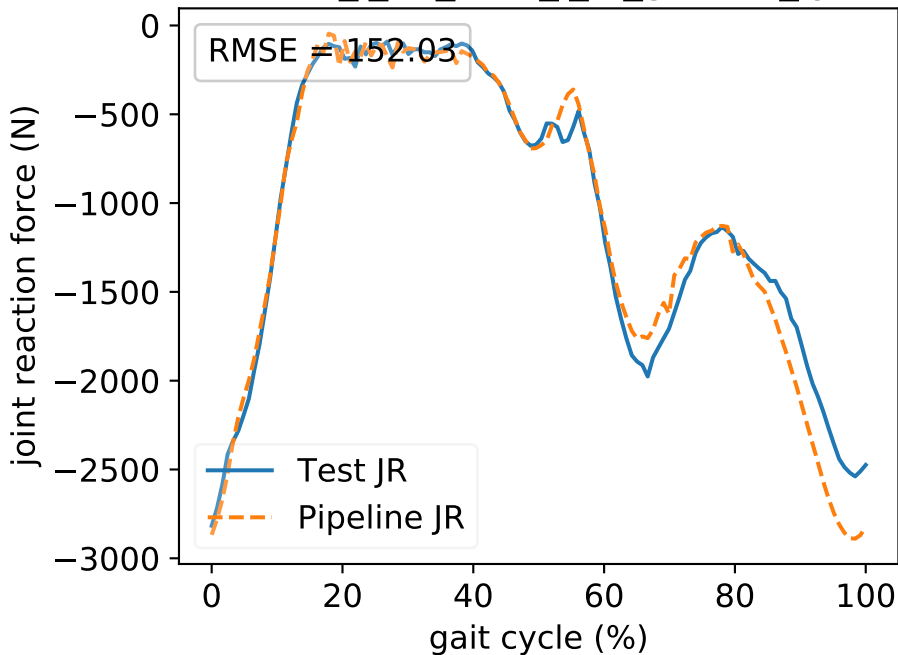
80

100

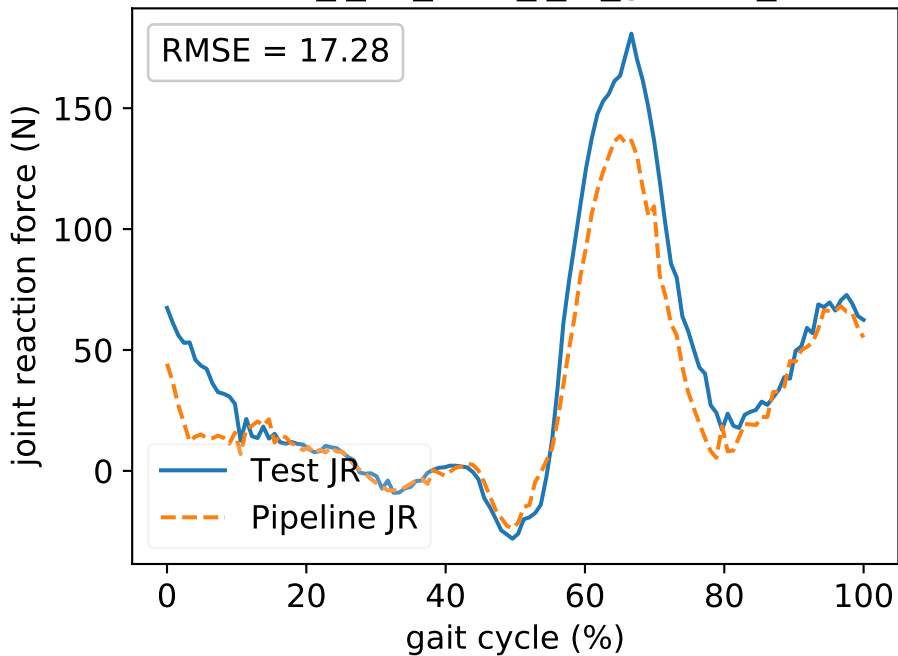
gait cycle (%)



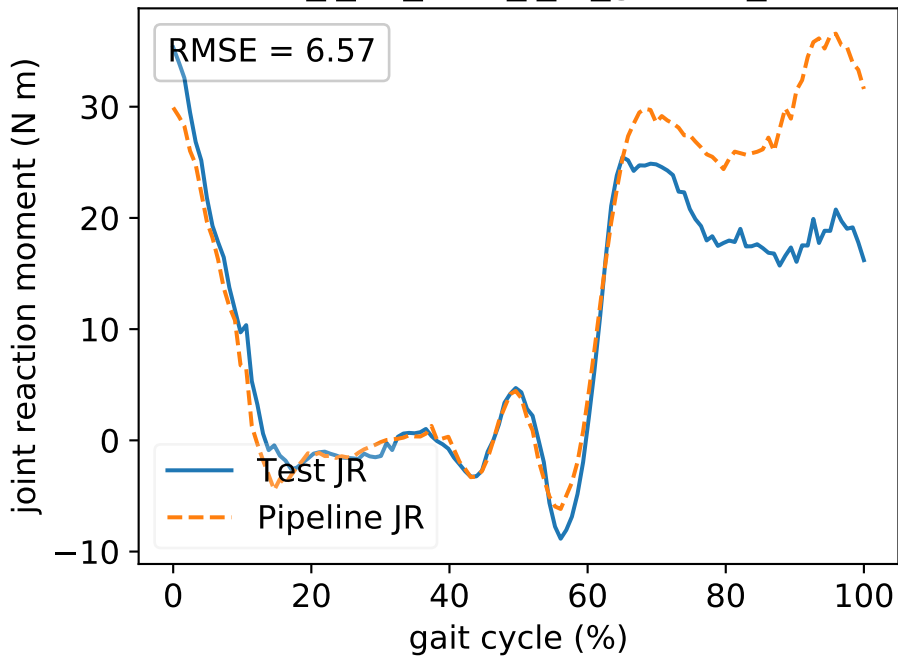
knee_l_on_tibia_l_in_ground_fy



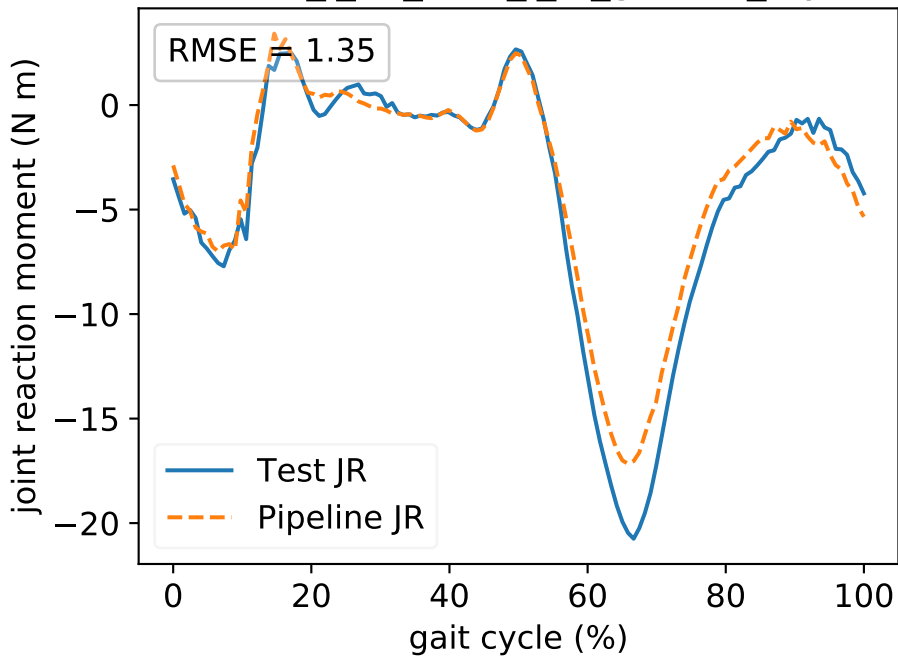
knee_l_on_tibia_l_in_ground_fz



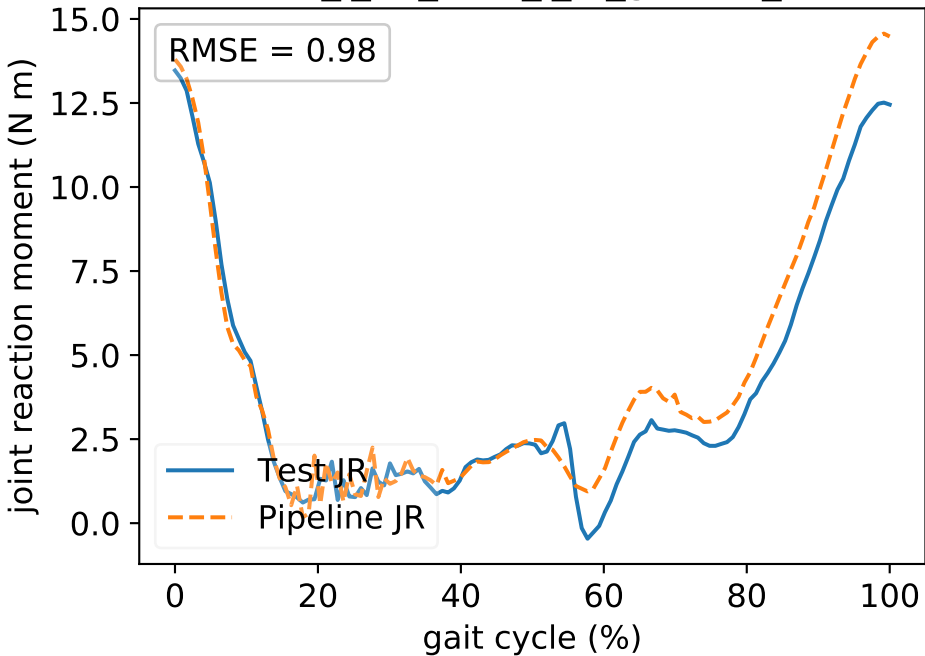
knee_l_on_tibia_l_in_ground_mx



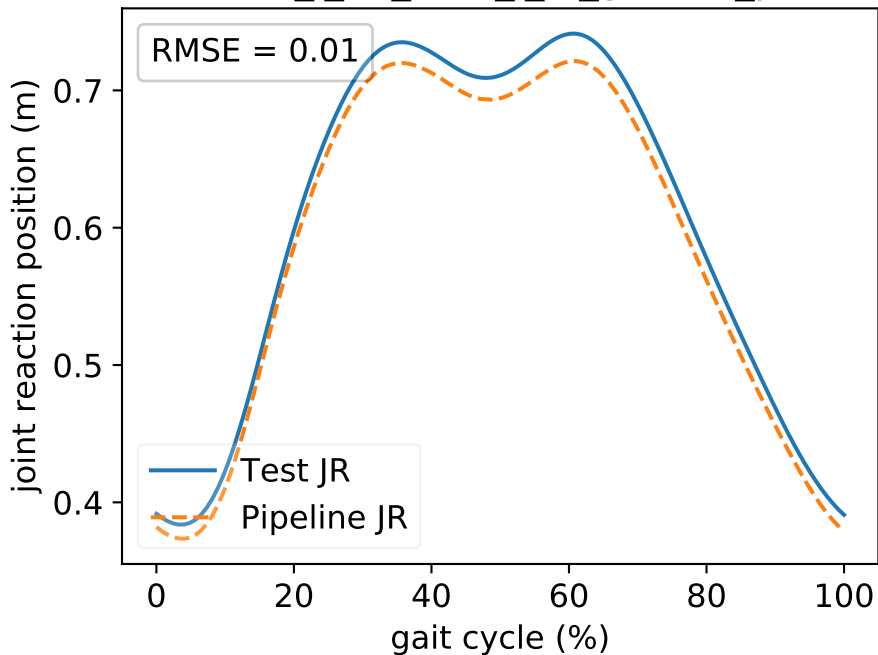
knee_l_on_tibia_l_in_ground_my



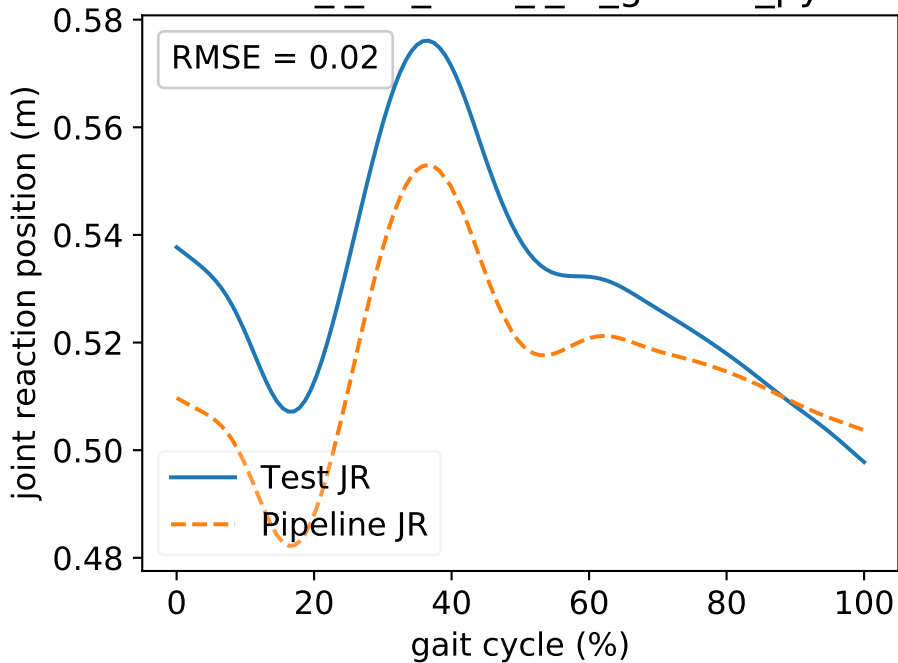
knee_l_on_tibia_l_in_ground_mz



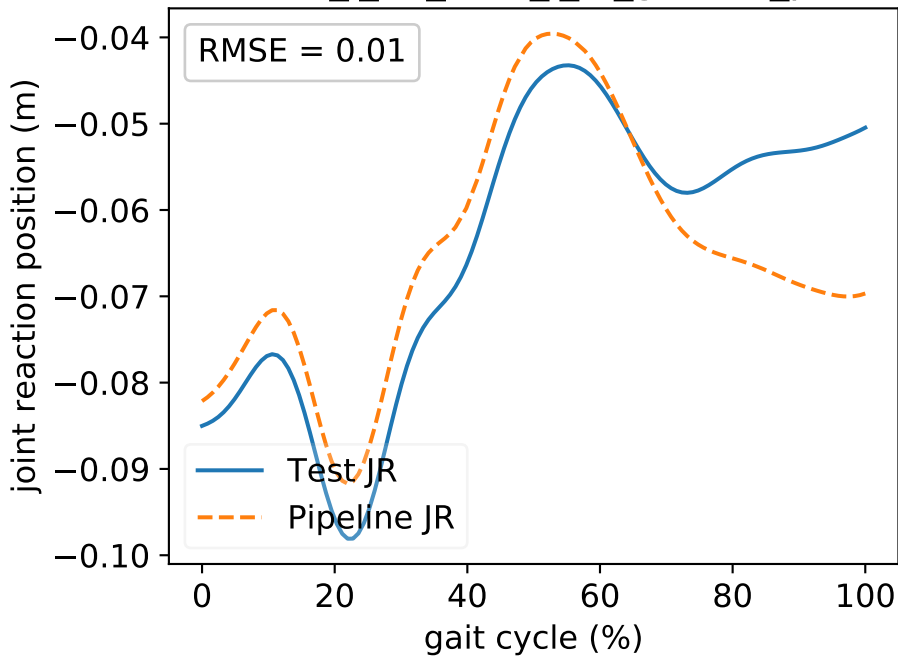
knee_l_on_tibia_l_in_ground_px



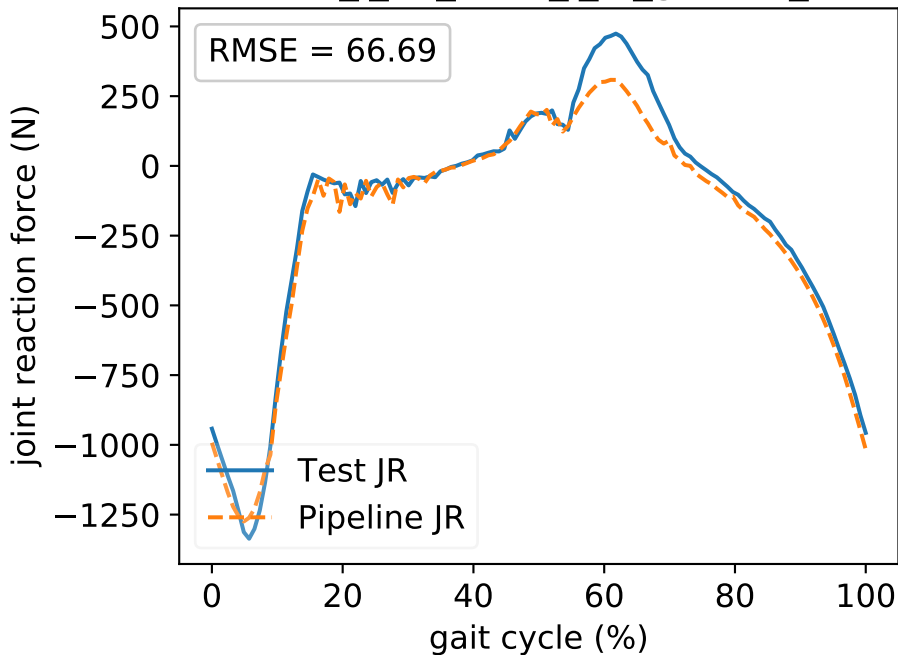
knee_l_on_tibia_l_in_ground_py



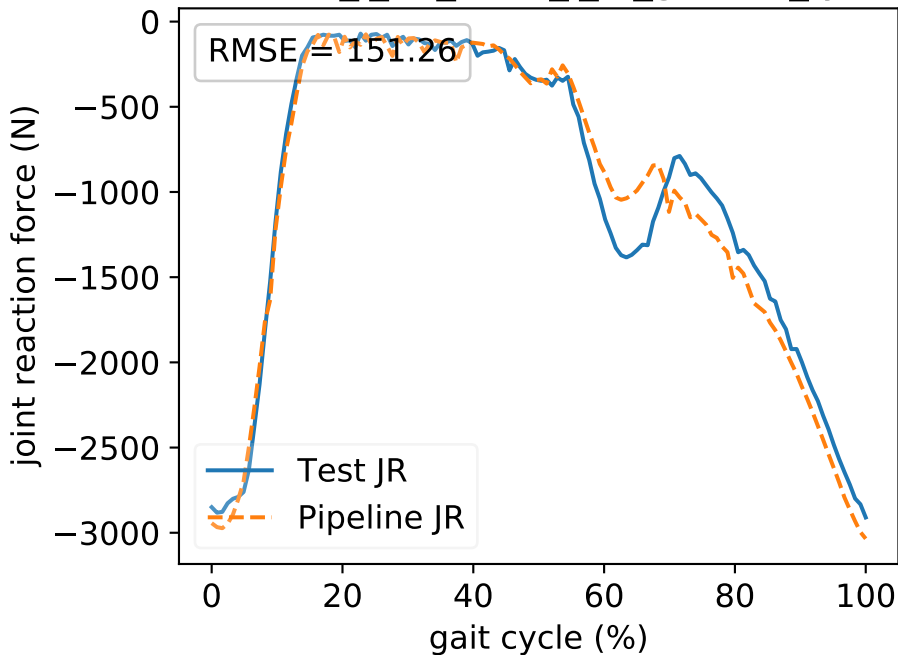
knee_l_on_tibia_l_in_ground_pz



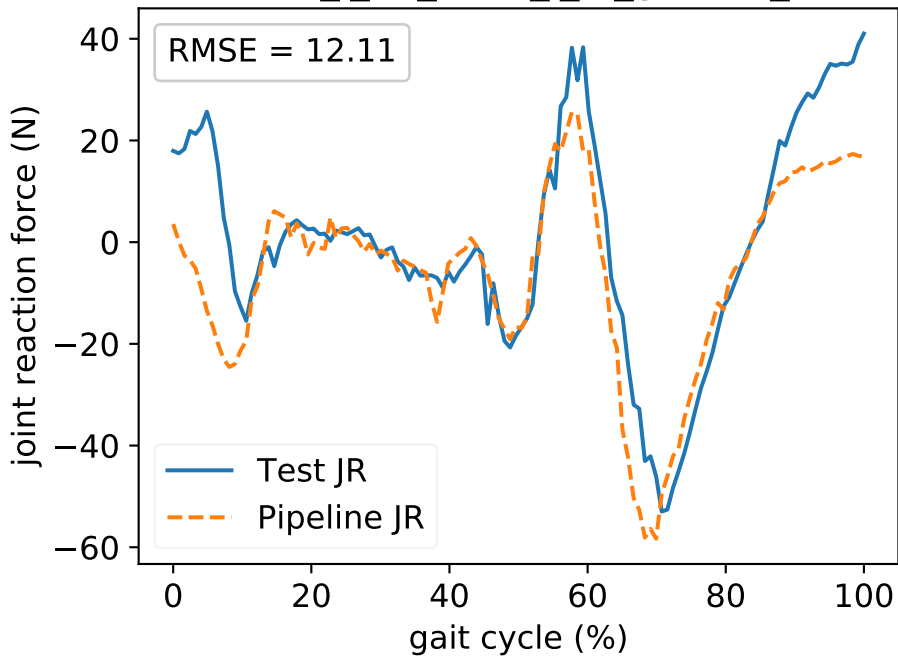
ankle_l_on_talus_l_in_ground_fx



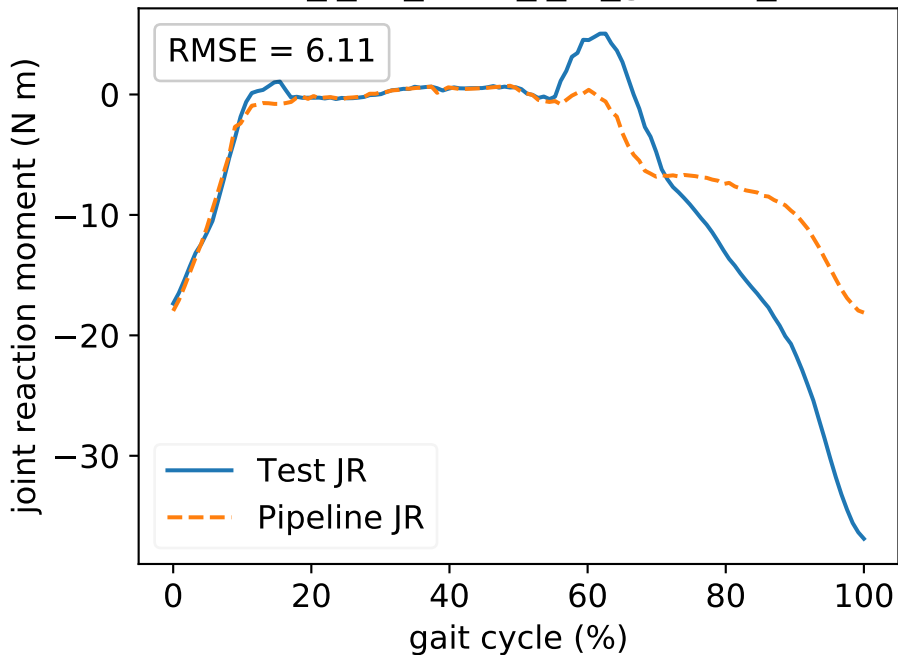
ankle_l_on_talus_l_in_ground_fy



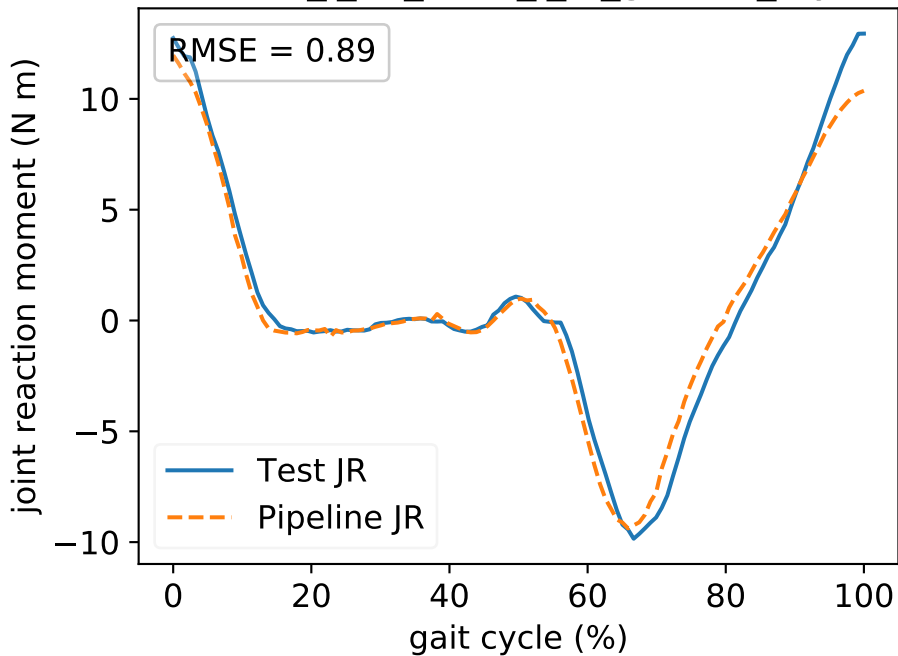
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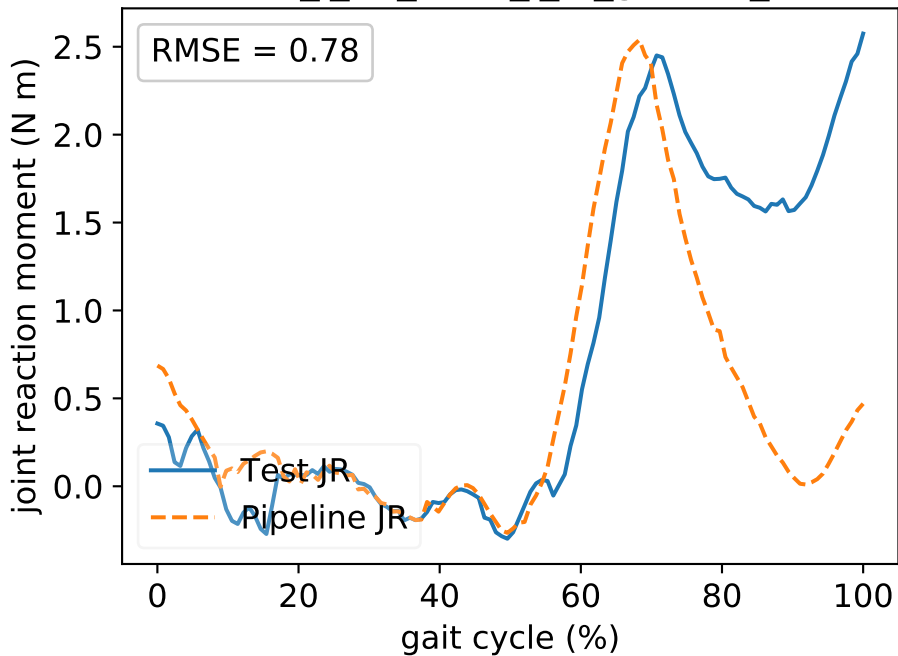
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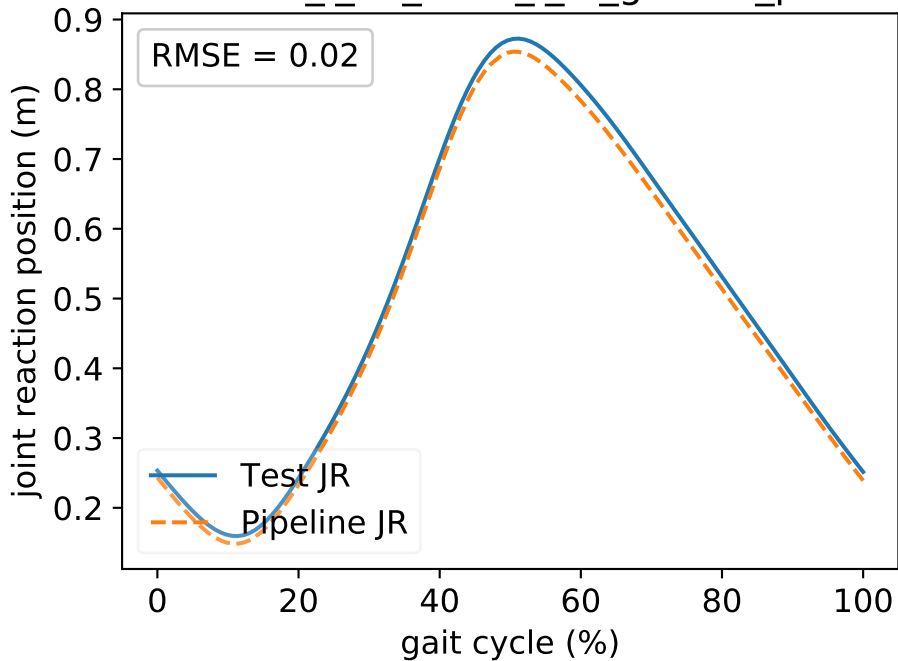
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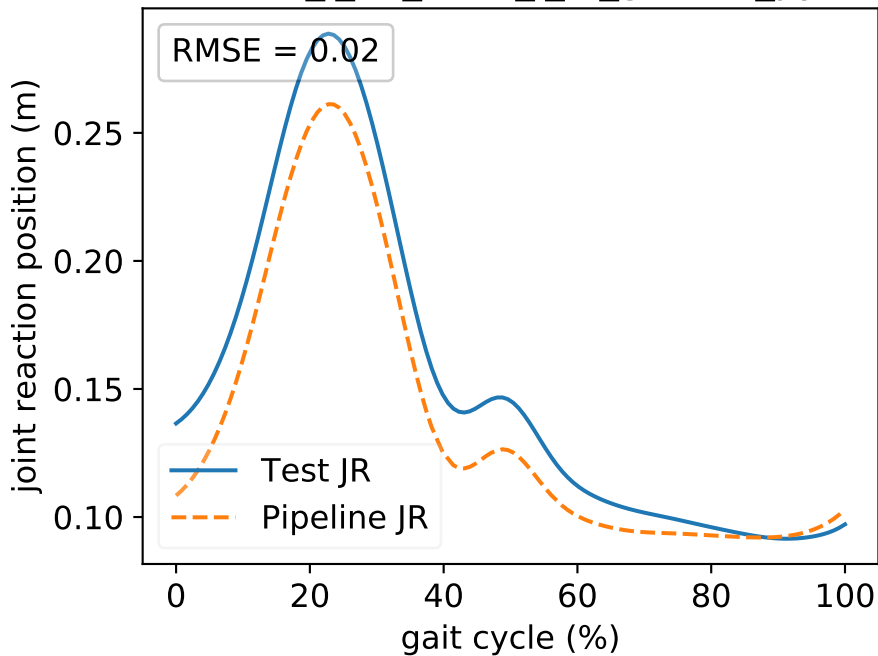
ankle_l_on_talus_l_in_ground_mz



ankle_l_on_talus_l_in_ground_px



ankle_l_on_talus_l_in_ground_py



ankle_l_on_talus_l_in_ground_pz

RMSE = 0.01

joint reaction position (m)

−0.03
−0.04
−0.05
−0.06
−0.07

Test JR

Pipeline JR

gait cycle (%)

0

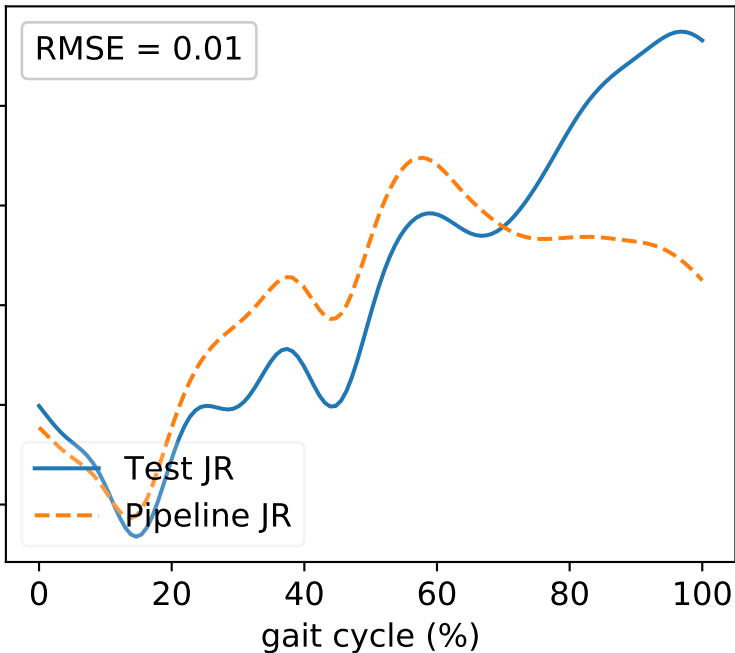
20

40

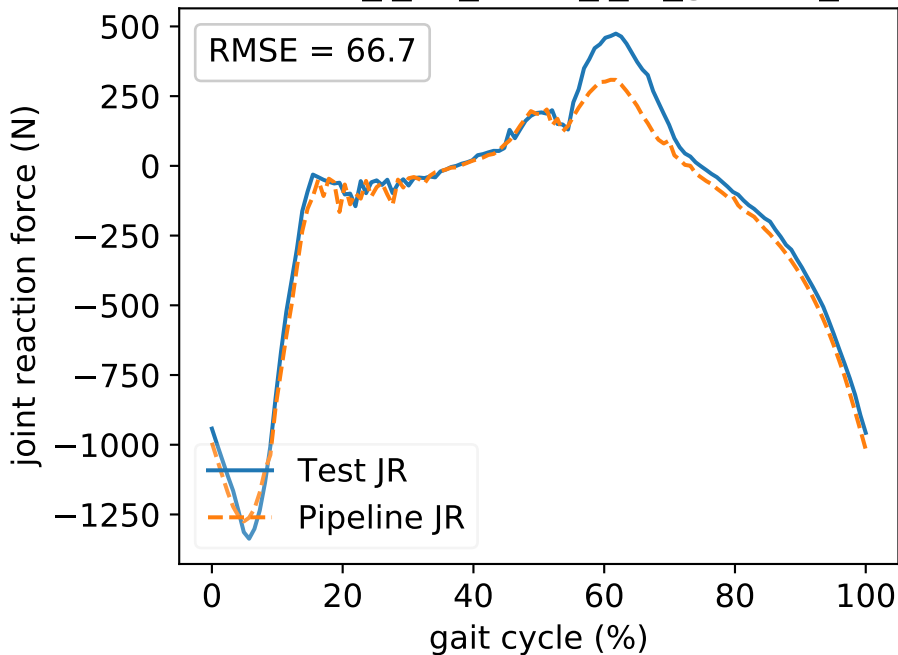
60

80

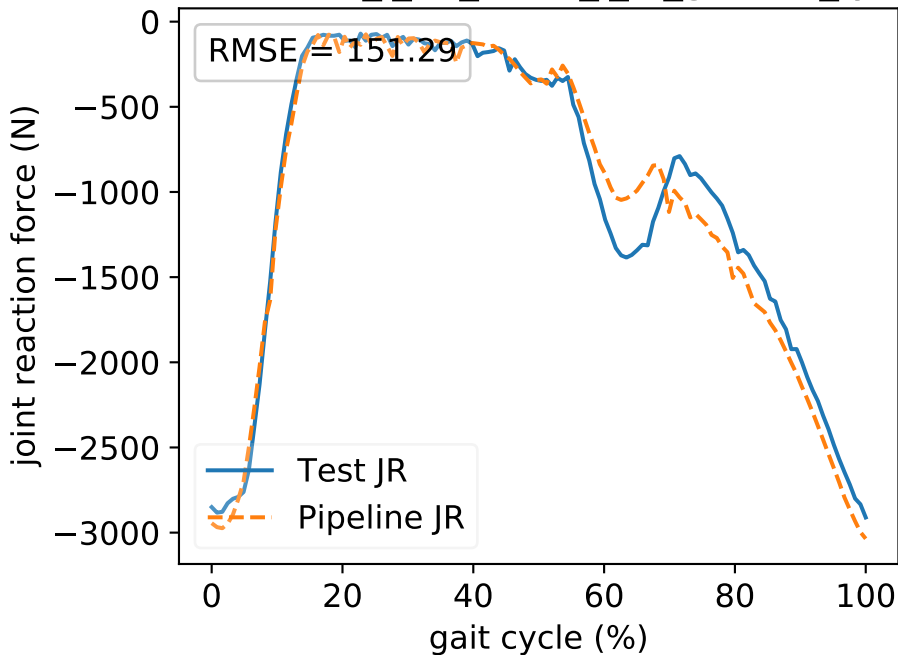
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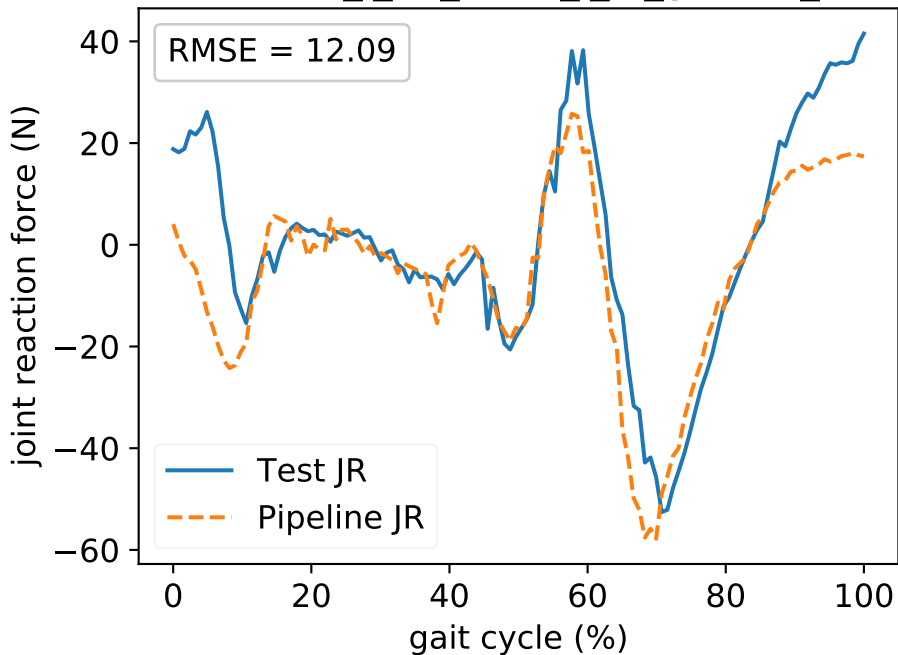
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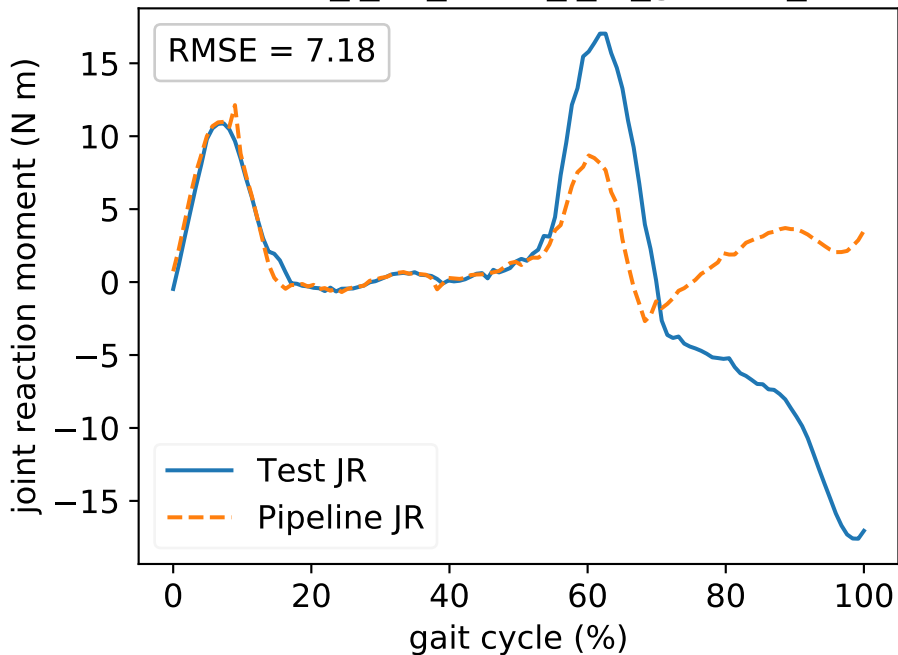
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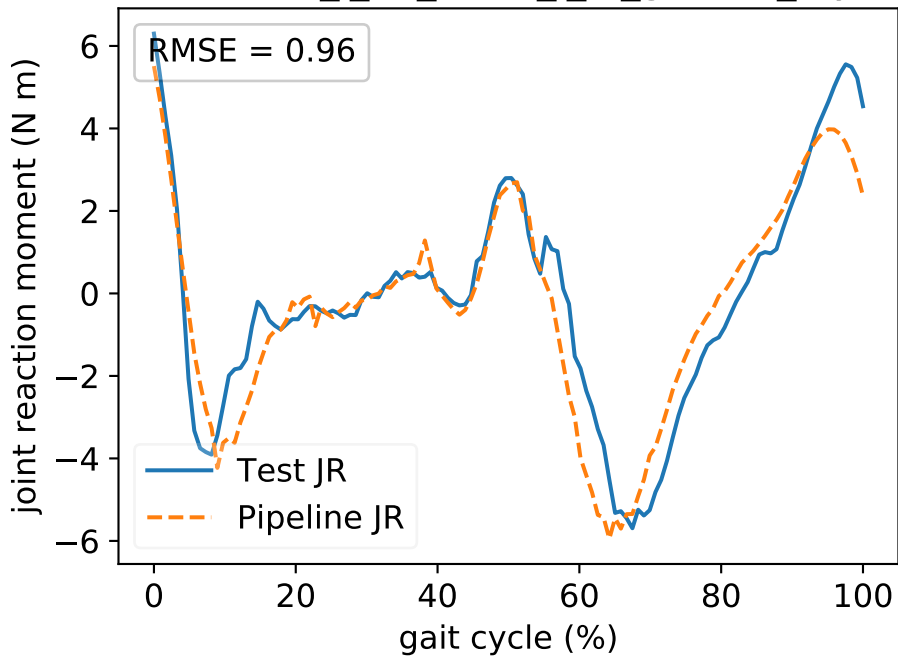
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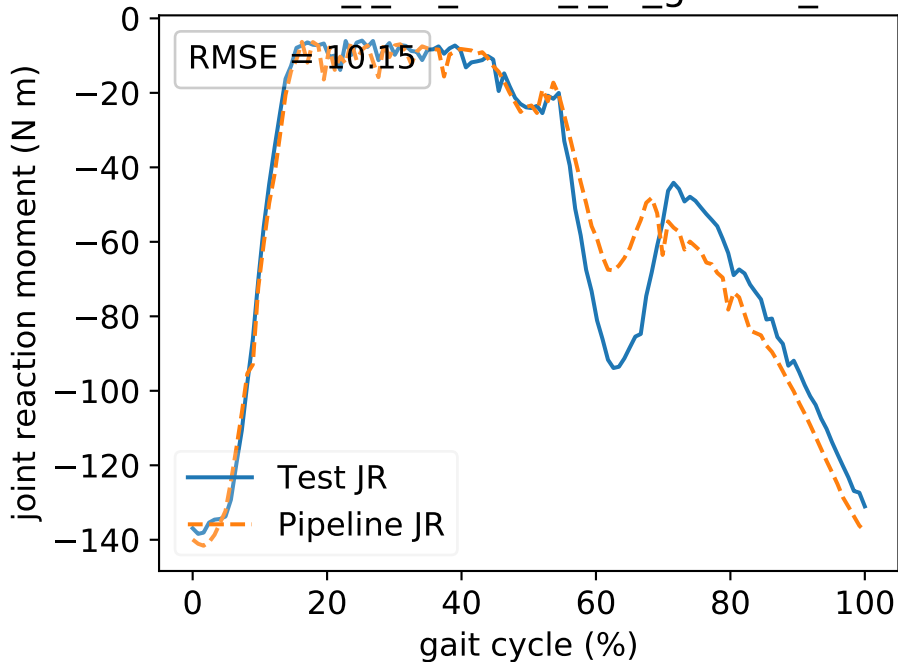
subtalar_l_on_calcn_l_in_ground_mx



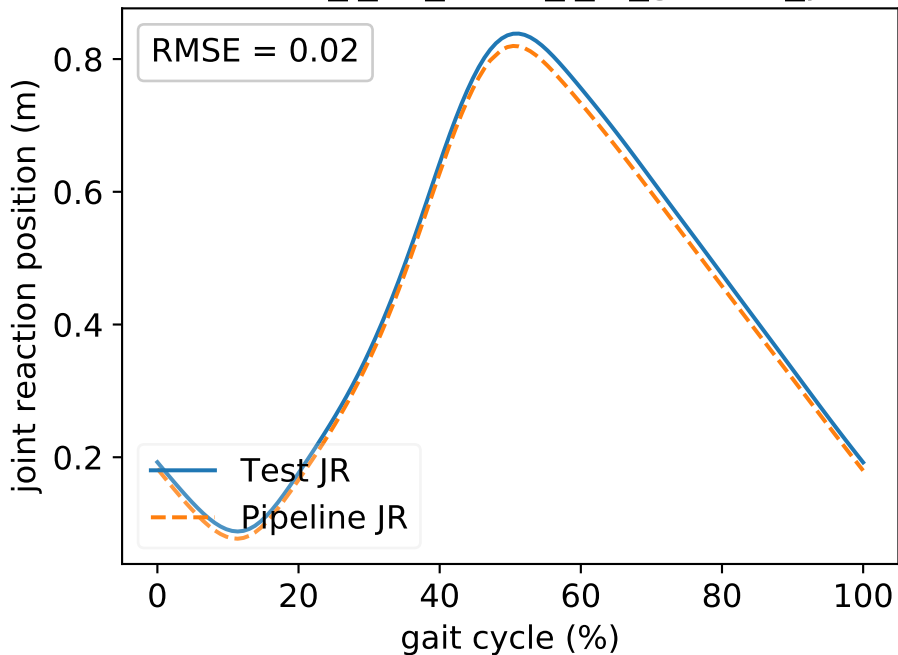
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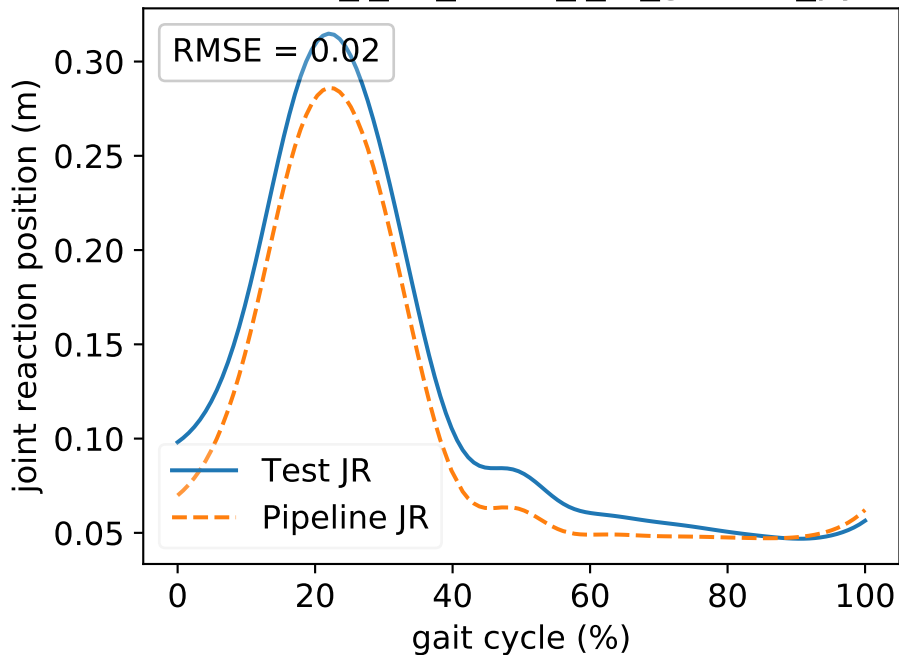
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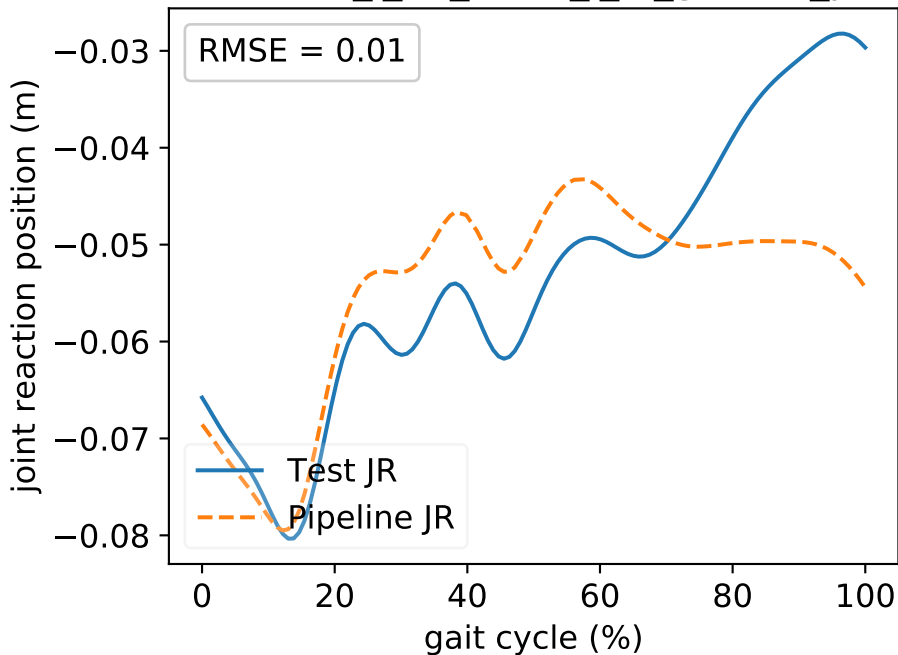
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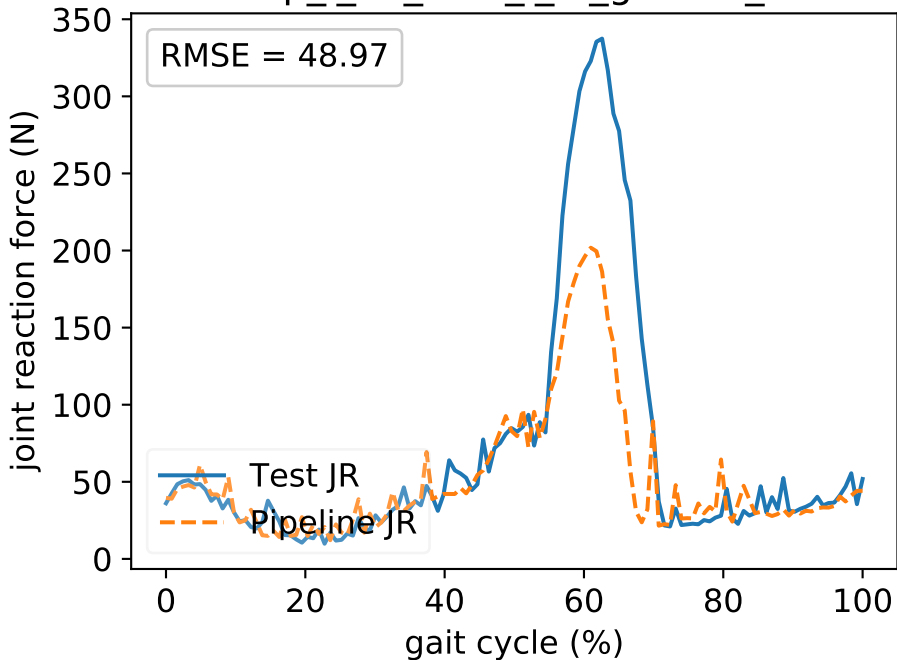
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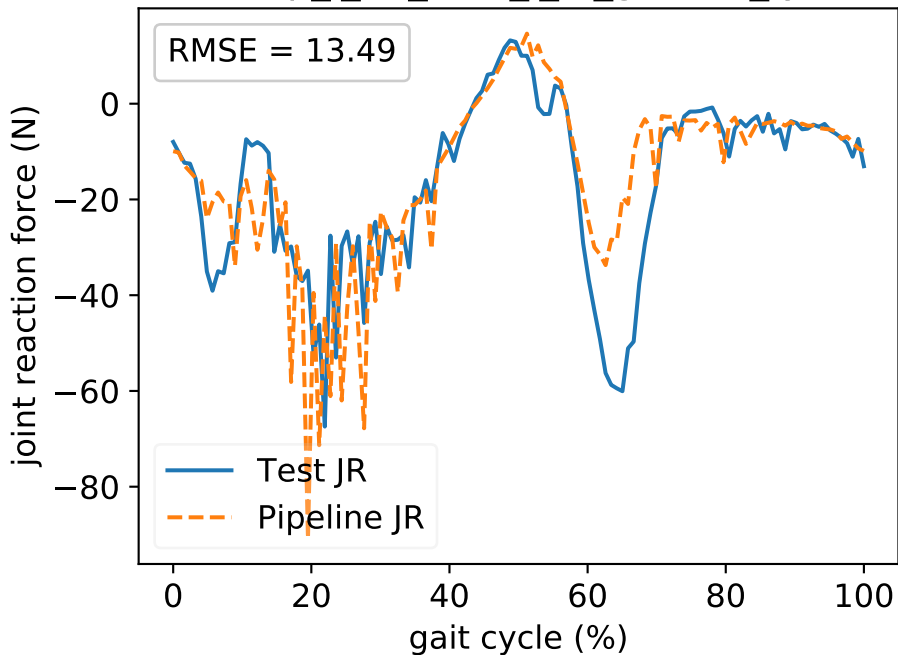
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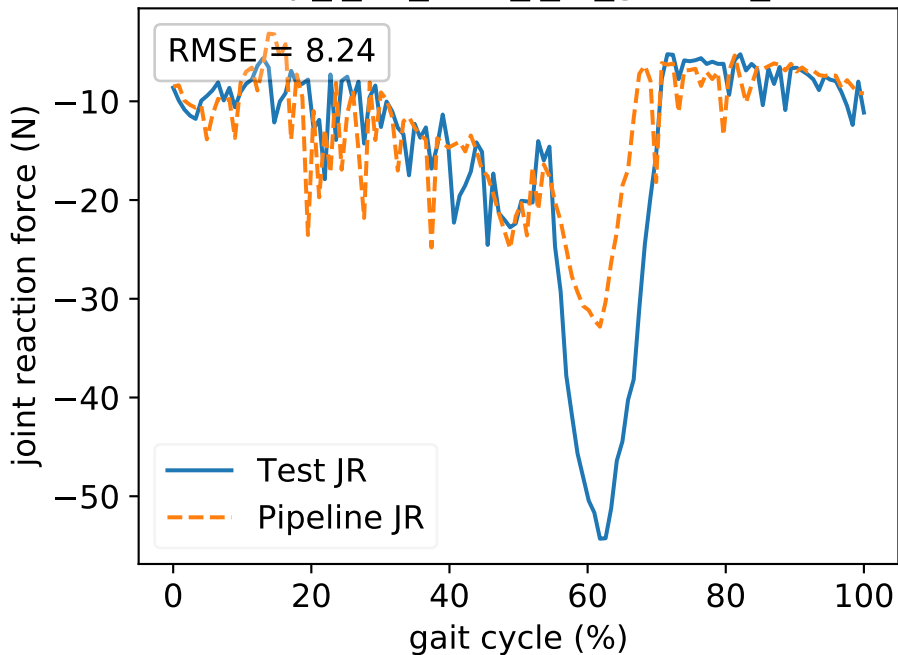
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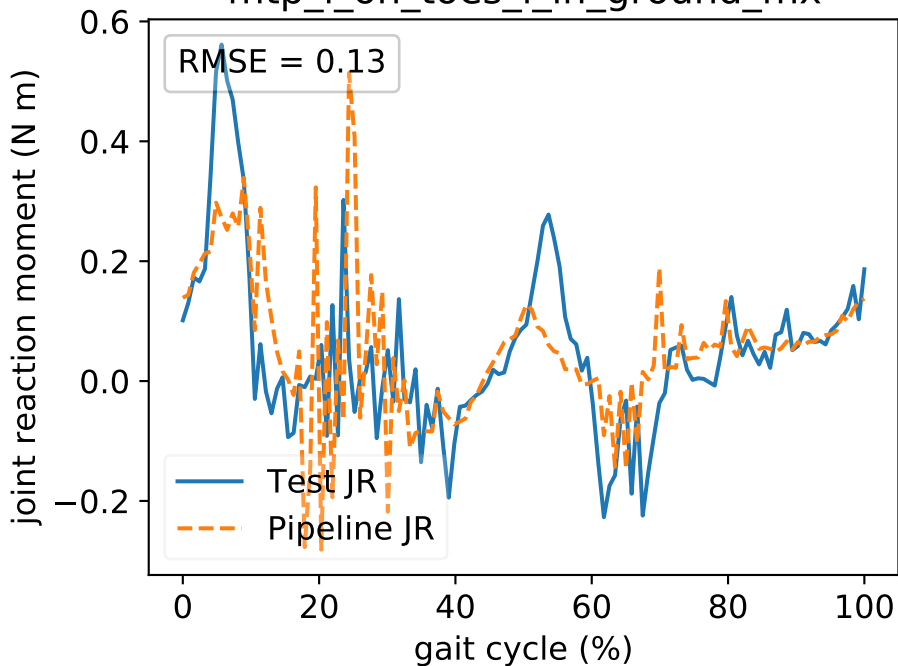
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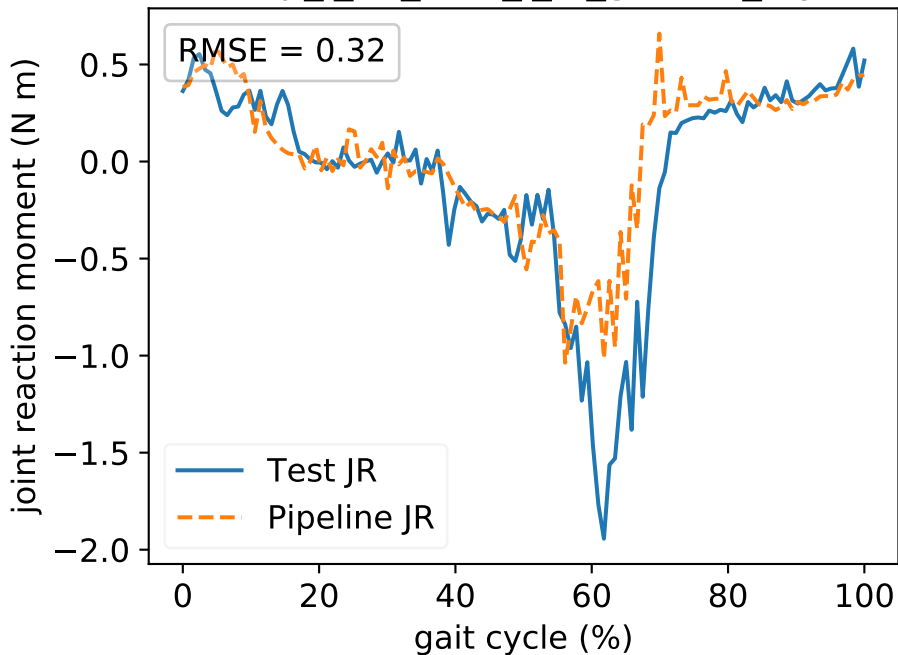
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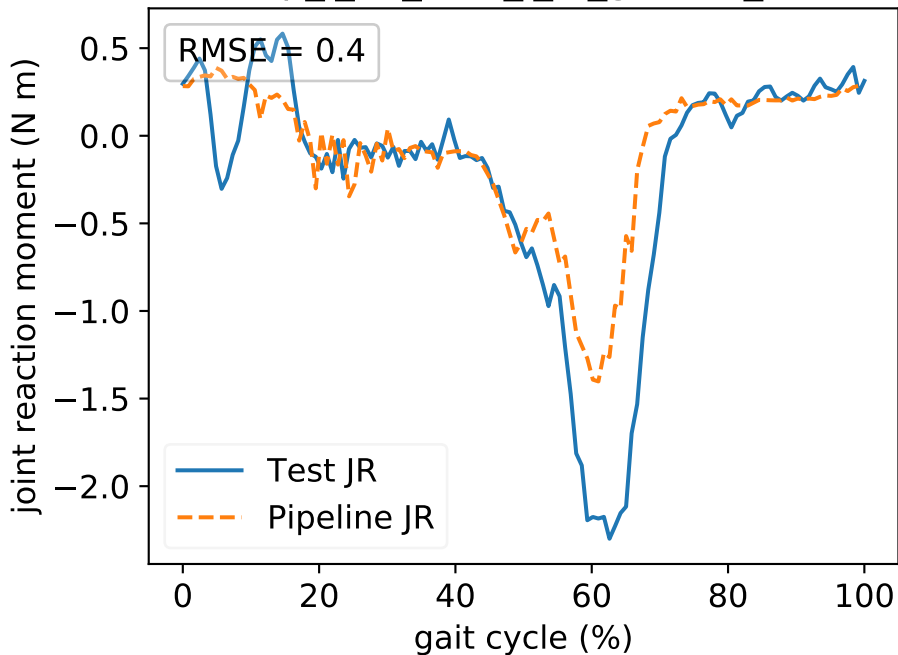
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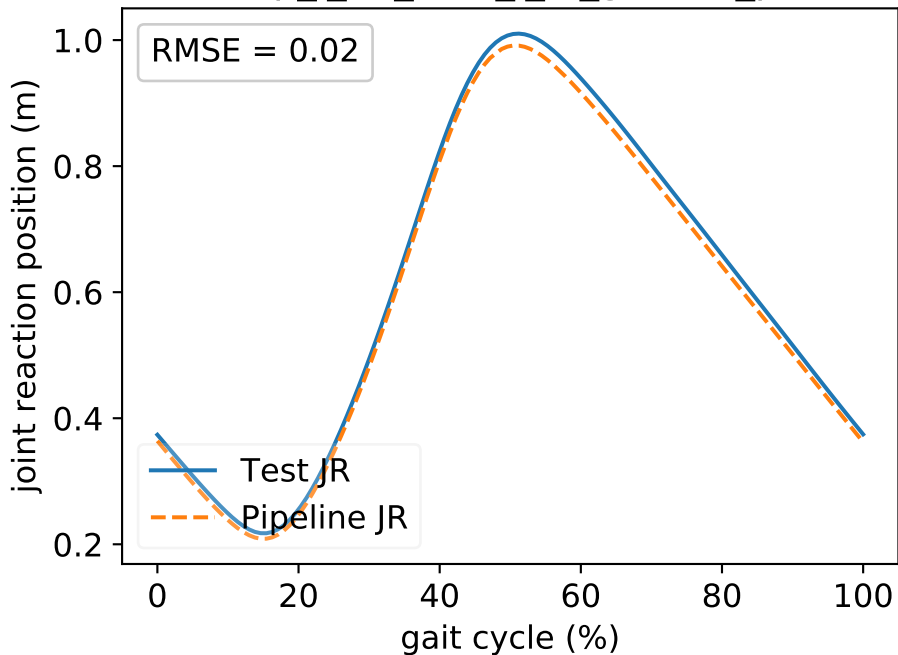
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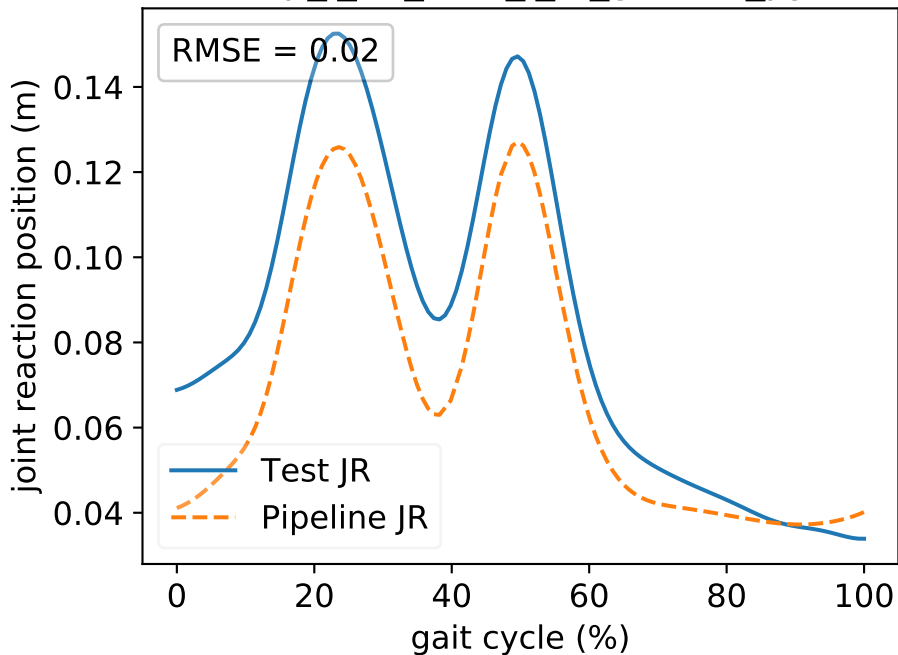
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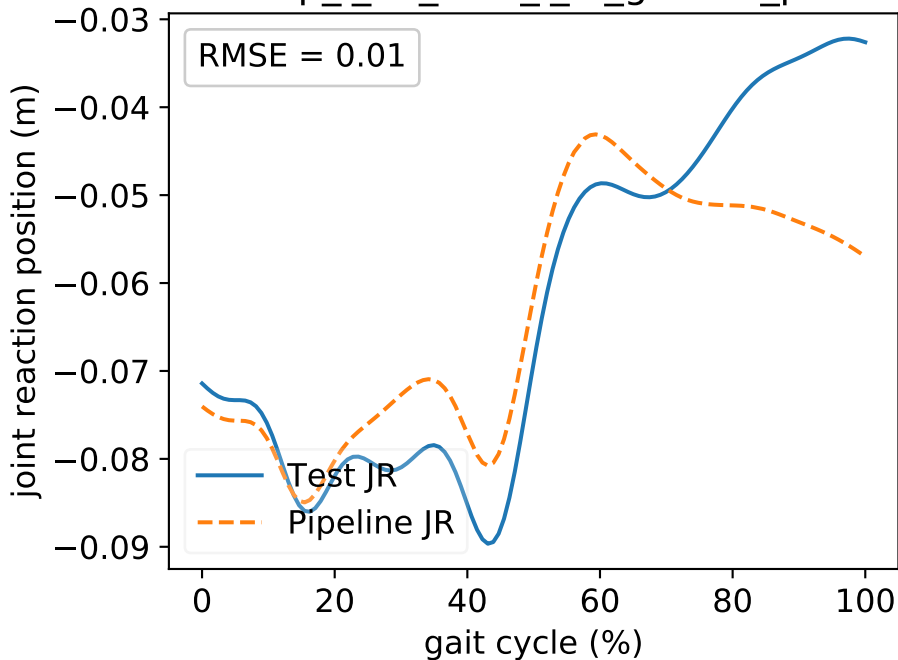
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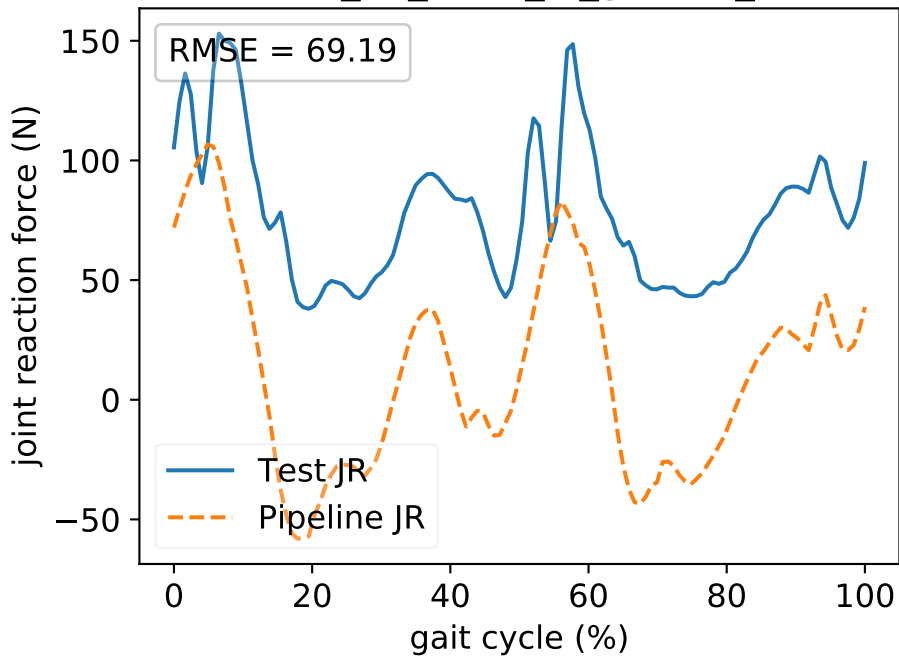
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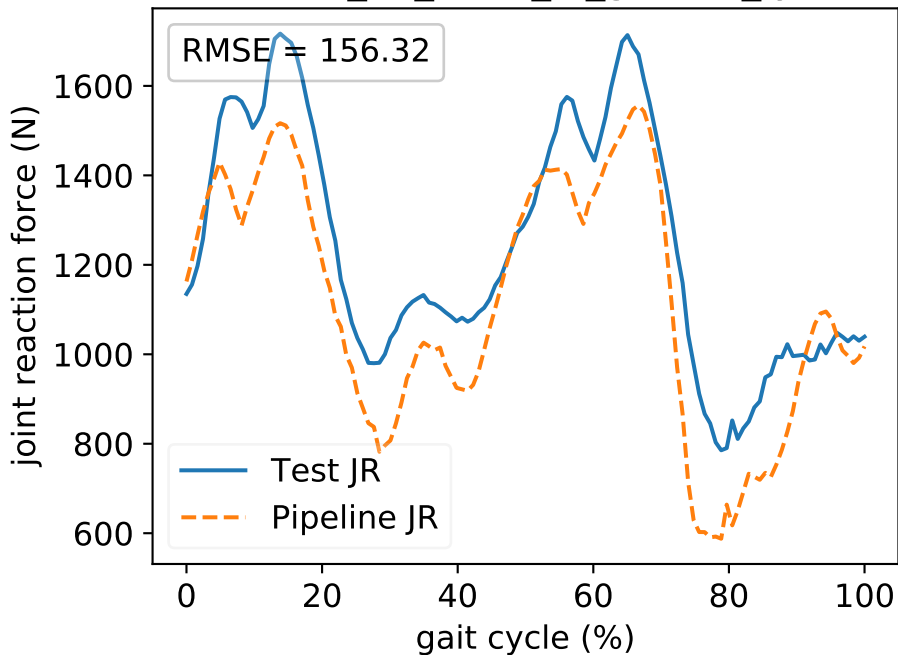
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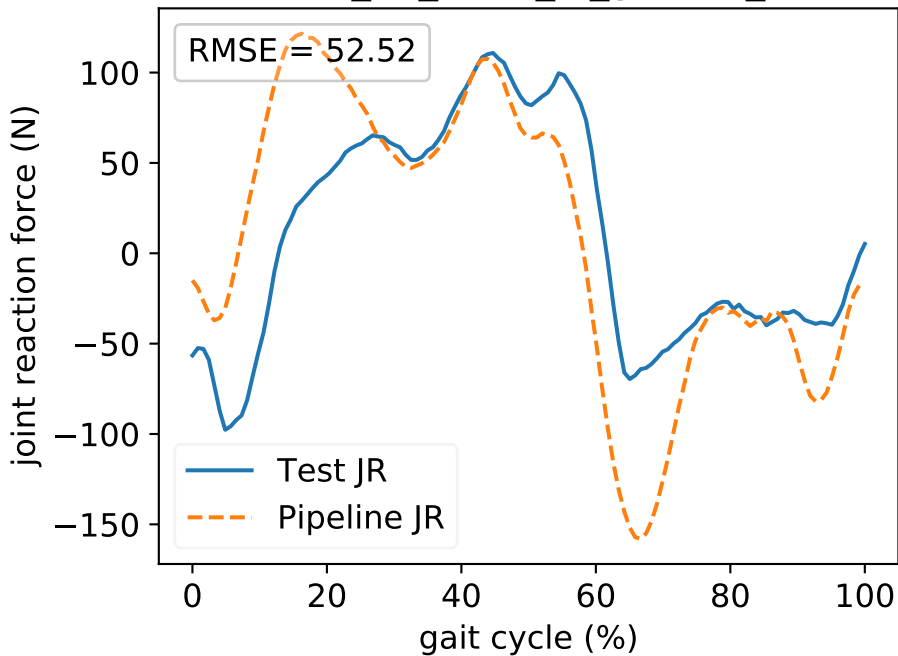
back_on_torso_in_ground_fx



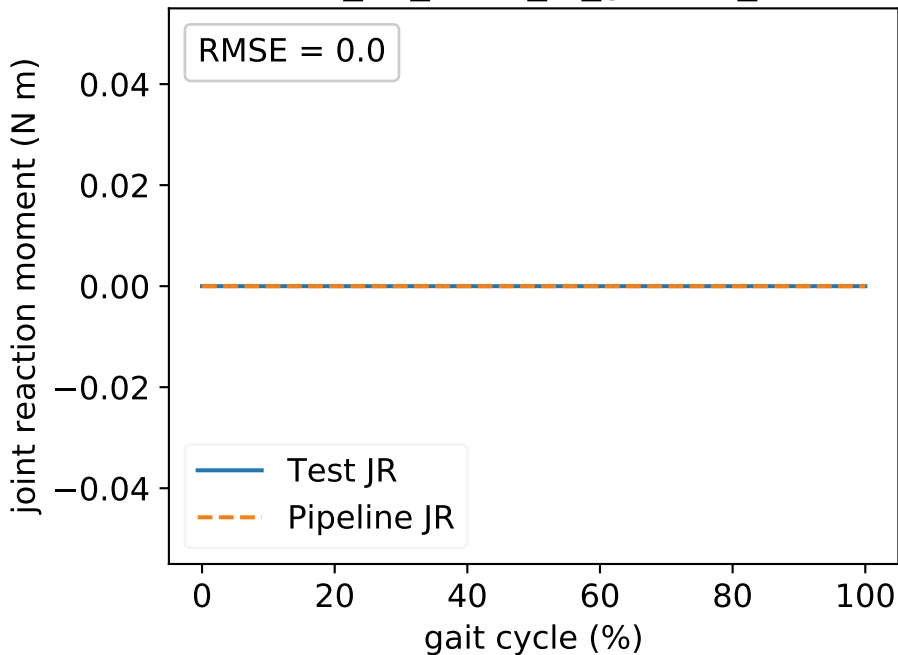
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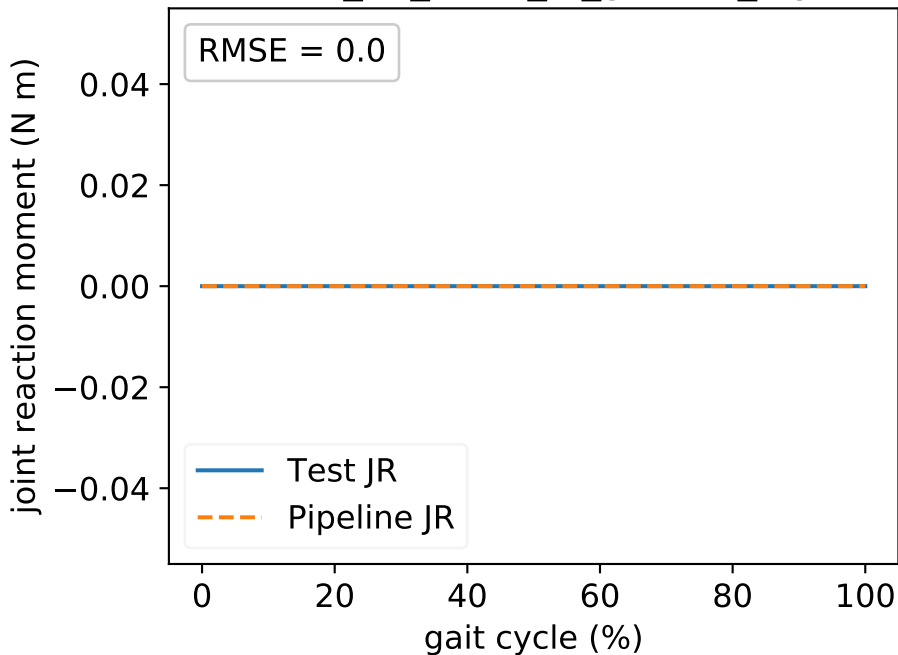
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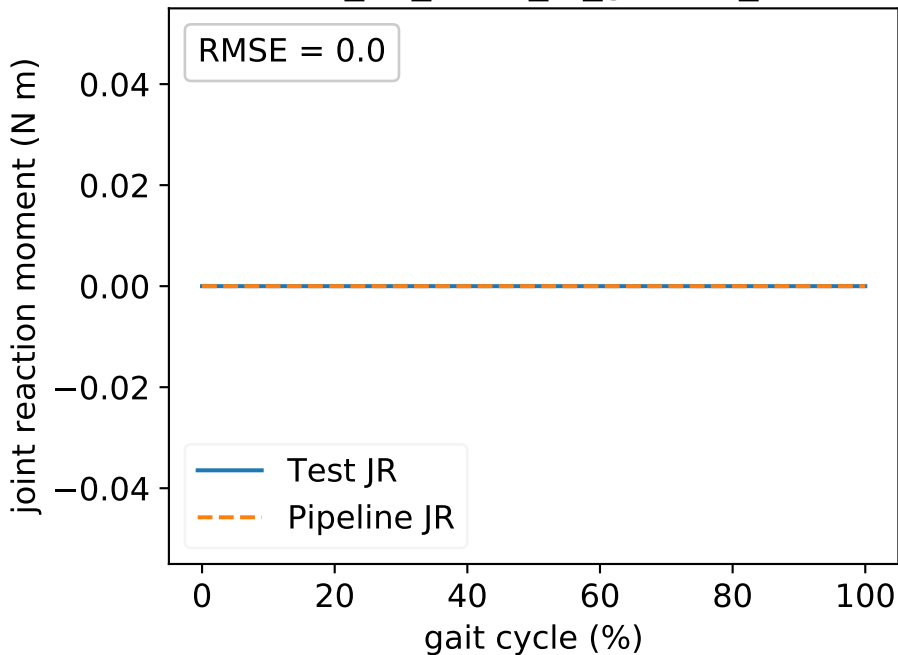
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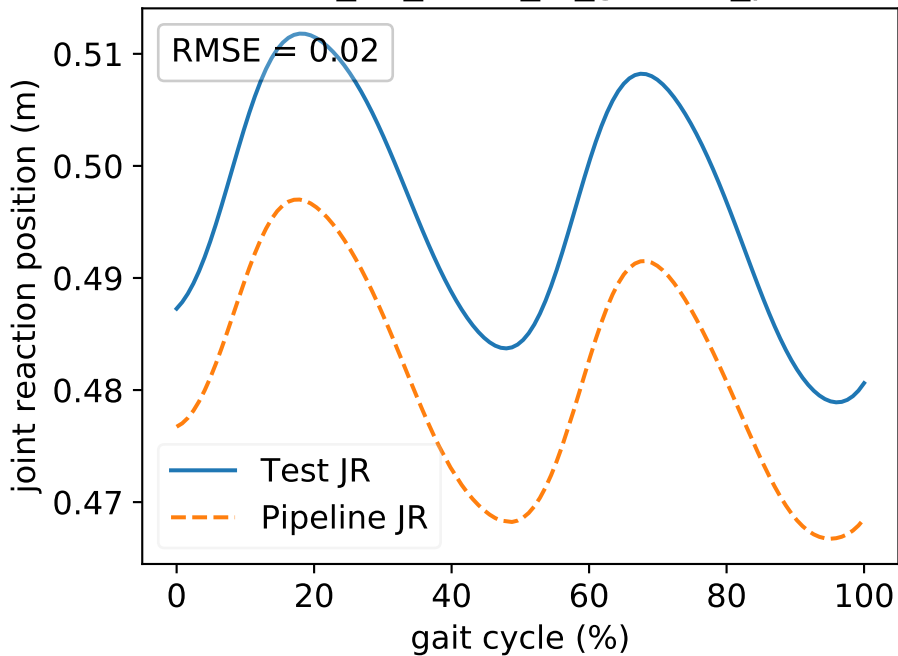
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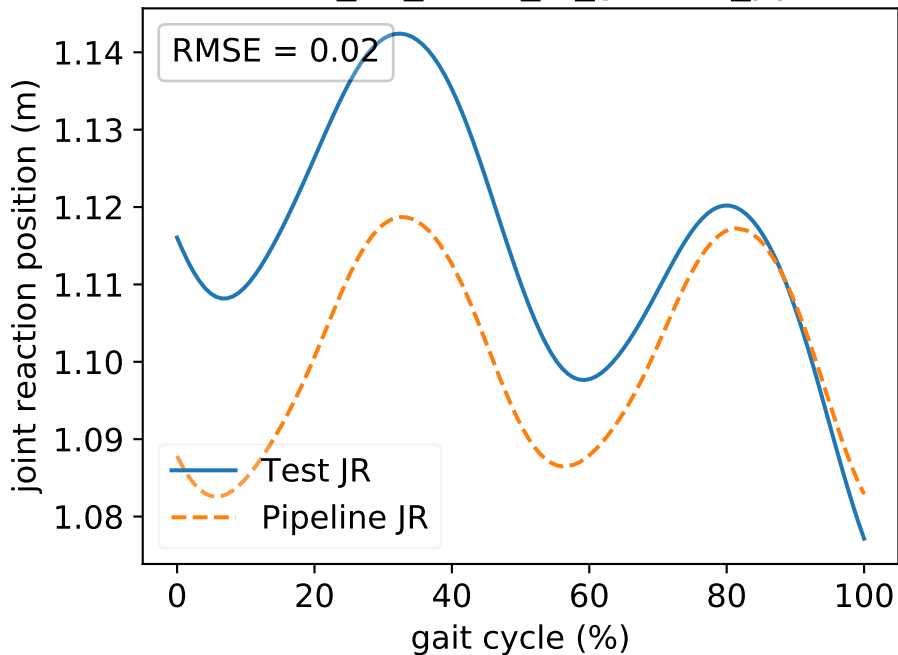
back_on_torso_in_ground_mz



back_on_torso_in_ground_px



back_on_torso_in_ground_py



back_on_torso_in_ground_pz

