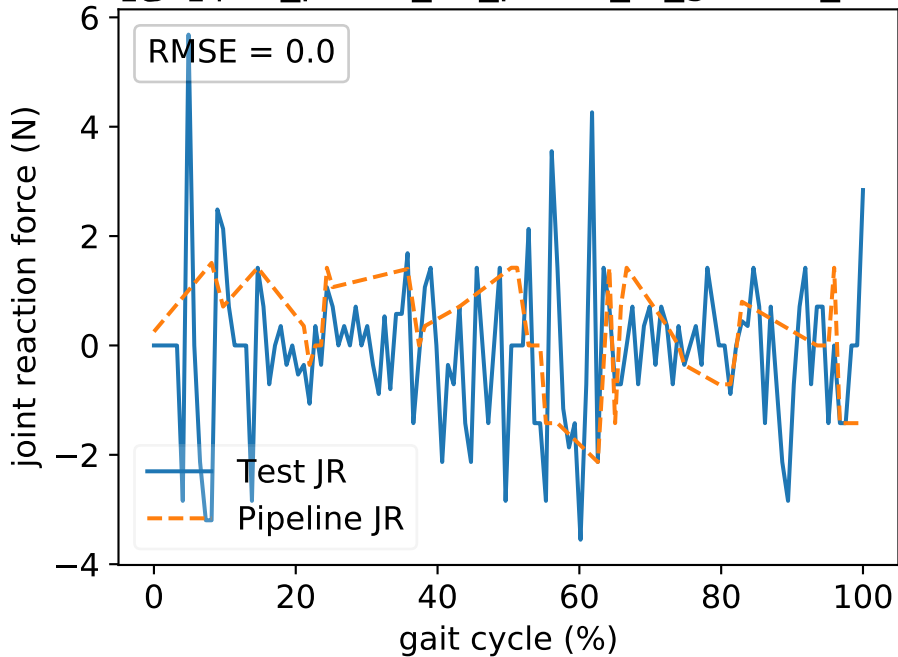
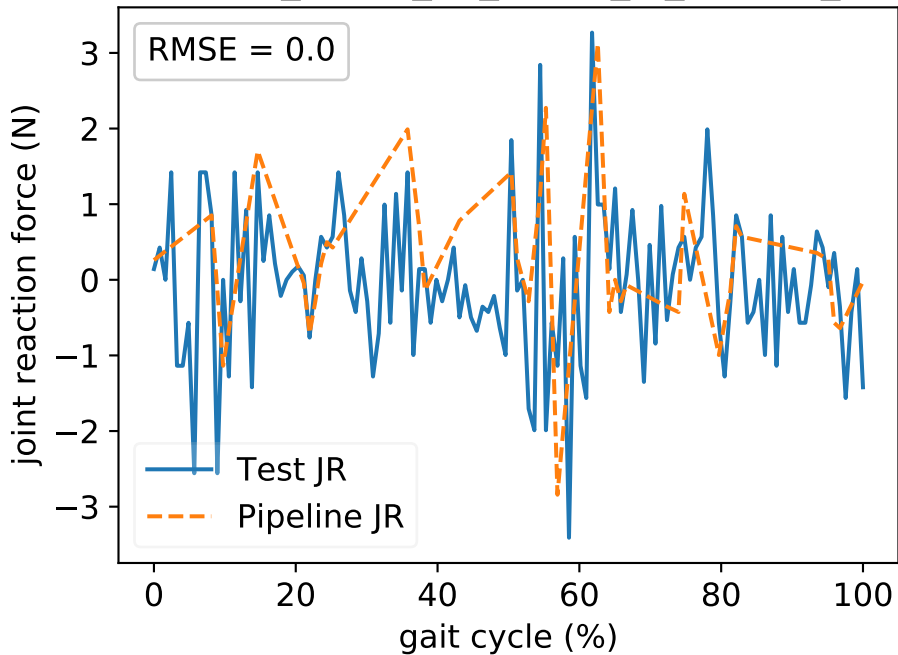


19 ground_pelvis_on_pelvis_in_ground_fx



19 ground_pelvis_on_pelvis_in_ground_fy



ground_pelvis_on_pelvis_in_ground_fz

RMSE = 0.0

joint reaction force (N)

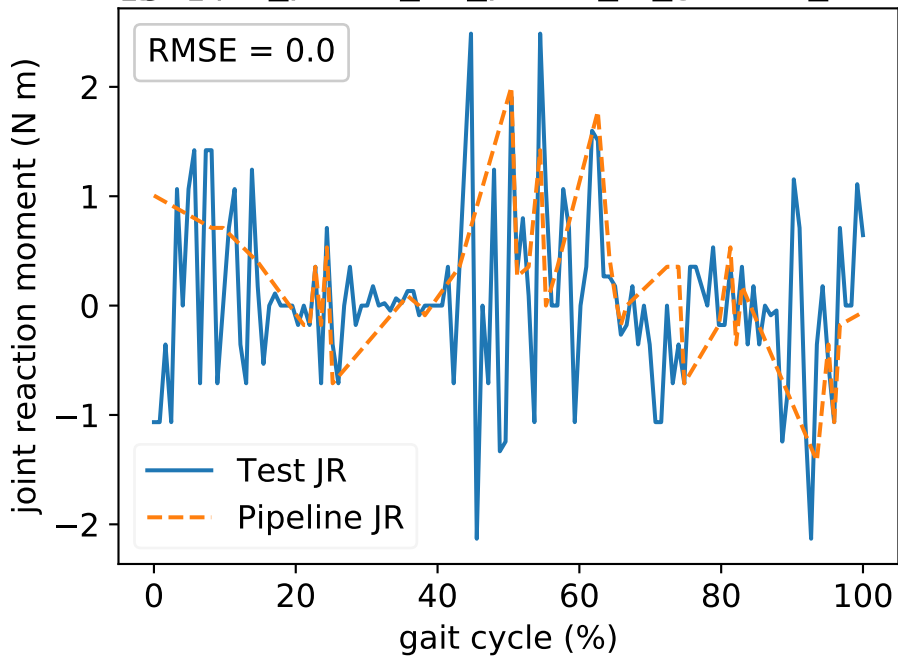
1.0
0.5
0.0
-0.5
-1.0

Test JR
Pipeline JR

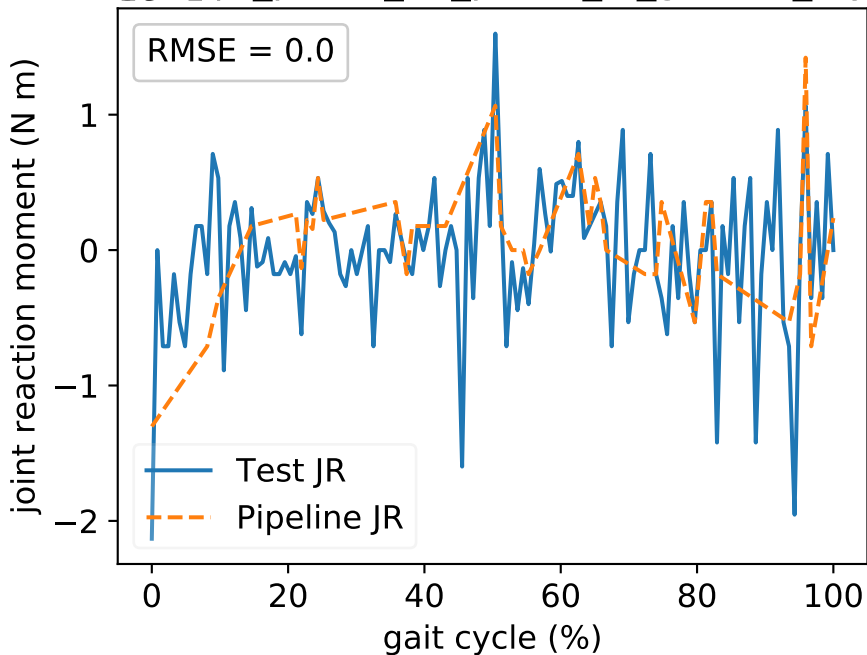
gait cycle (%)

100
80
60
40
20
0

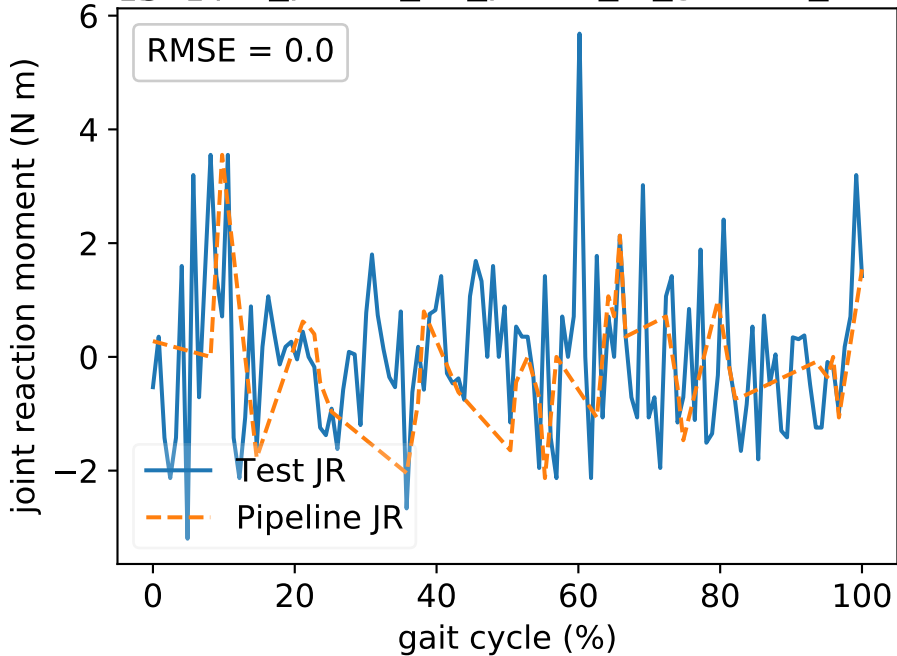
ground_pelvis_on_pelvis_in_ground_mx



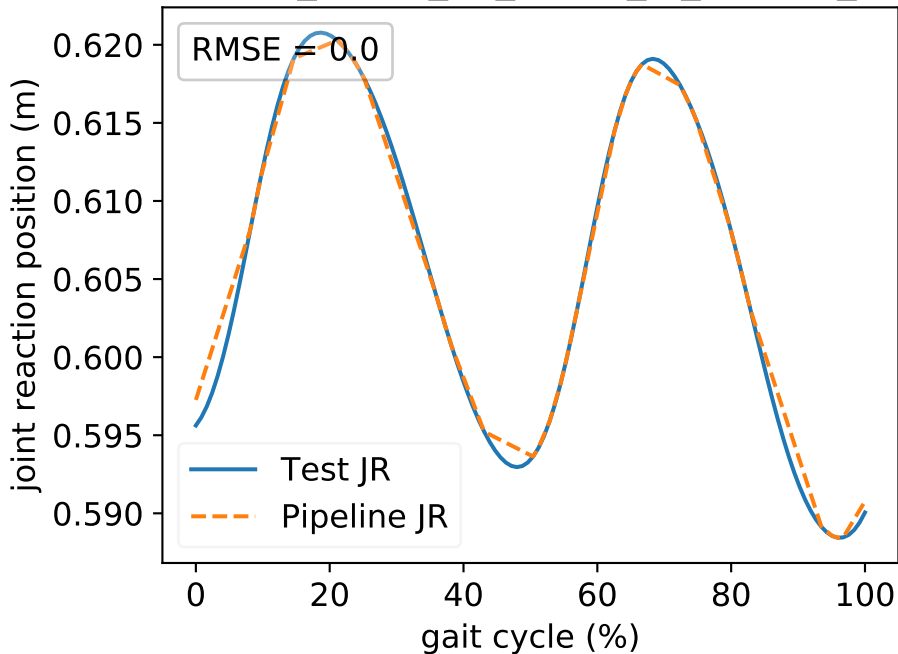
ground_pelvis_on_pelvis_in_ground_my



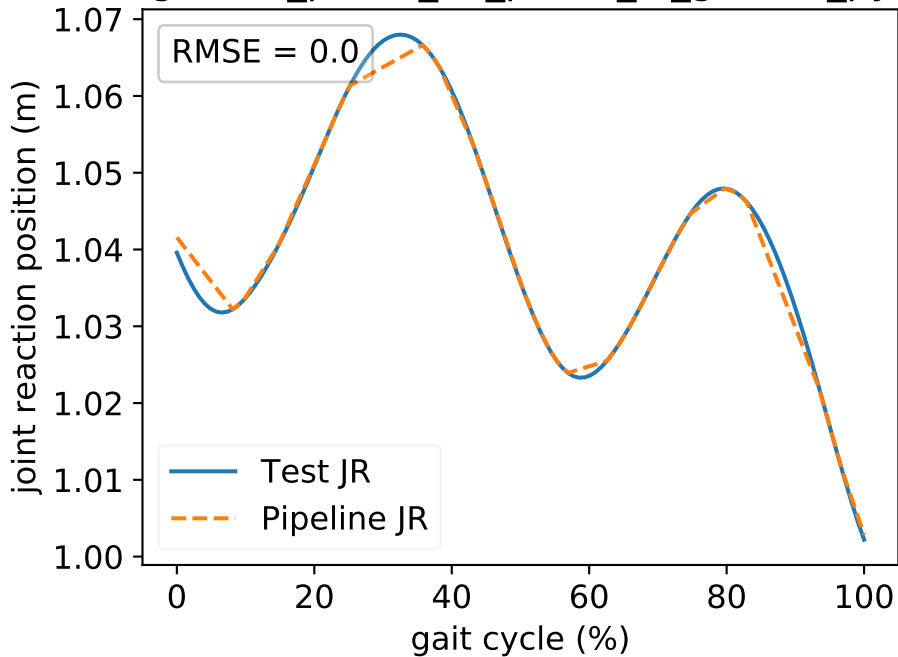
ground_pelvis_on_pelvis_in_ground_mz



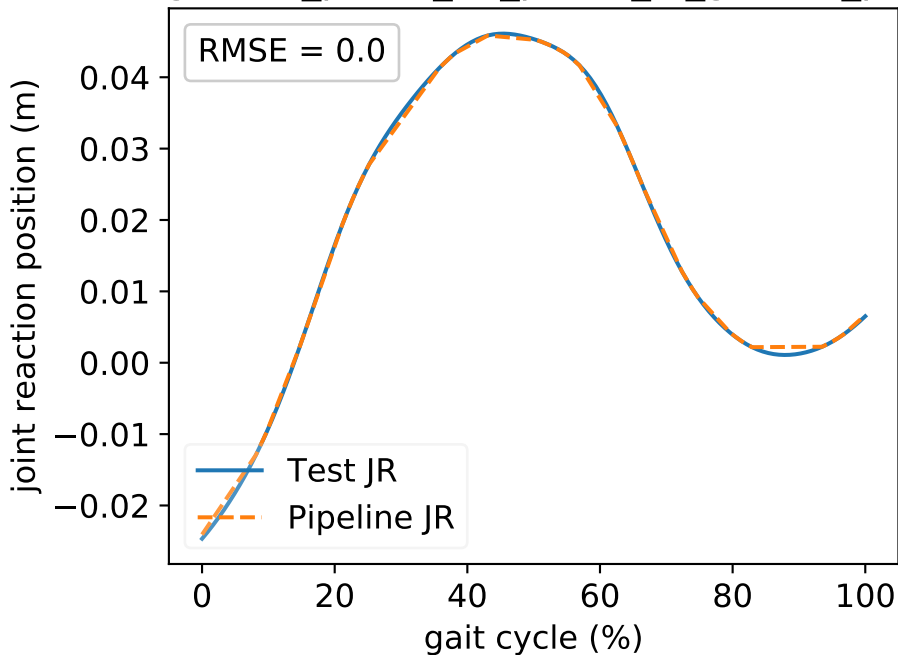
ground_pelvis_on_pelvis_in_ground_px



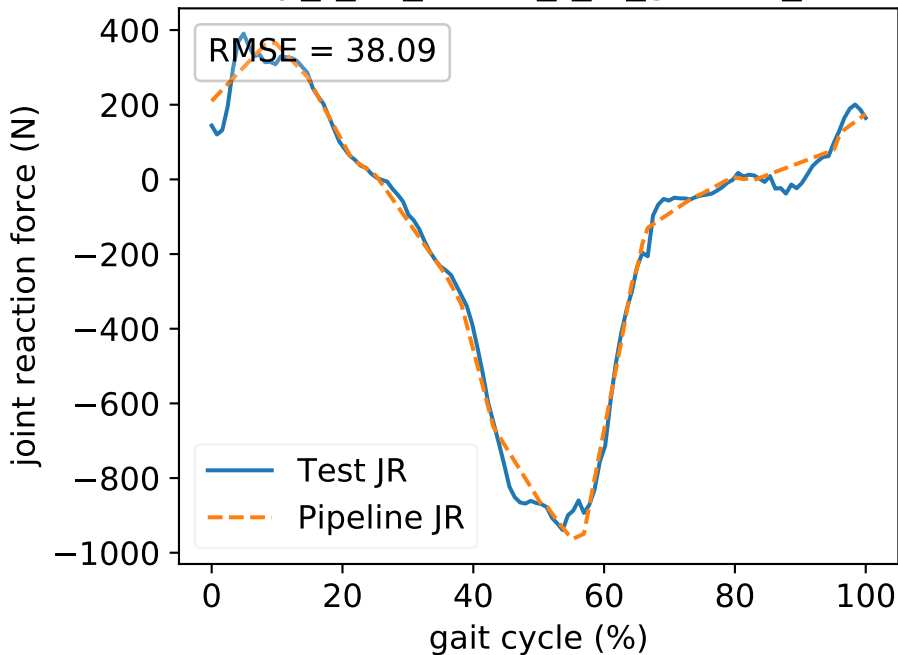
ground_pelvis_on_pelvis_in_ground_py



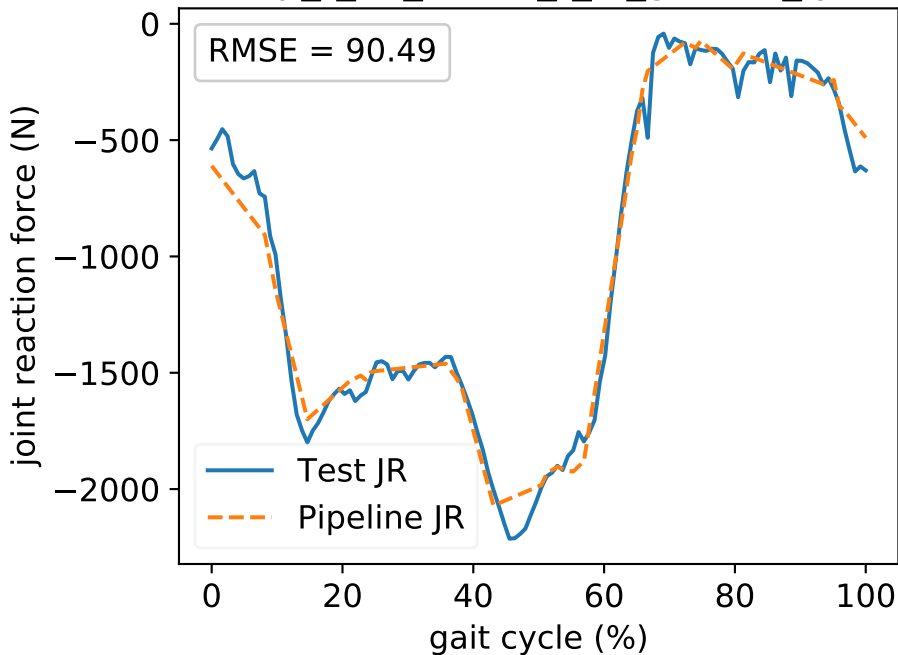
ground_pelvis_on_pelvis_in_ground_pz



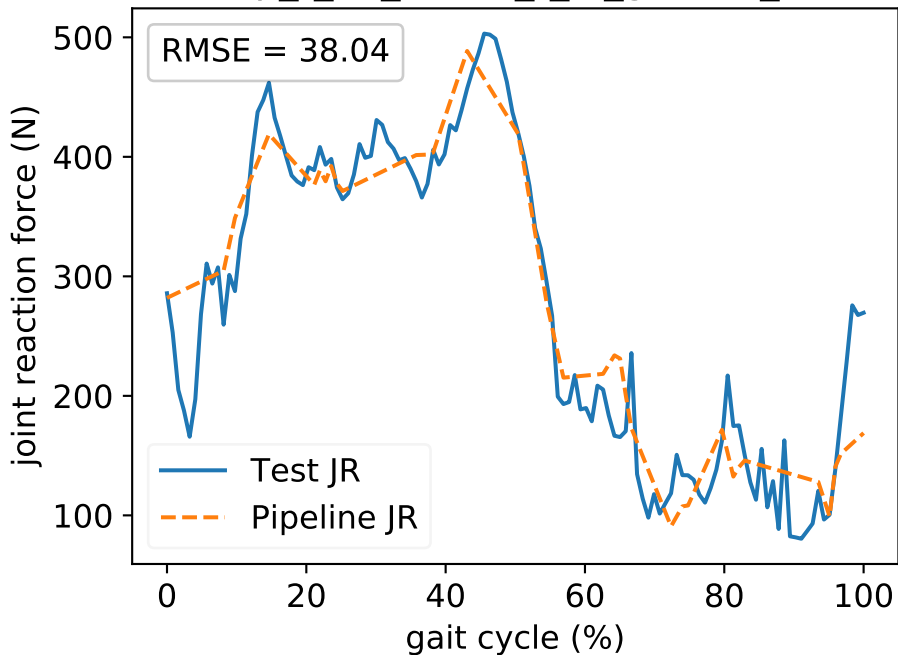
hip_r_on_femur_r_in_ground_fx

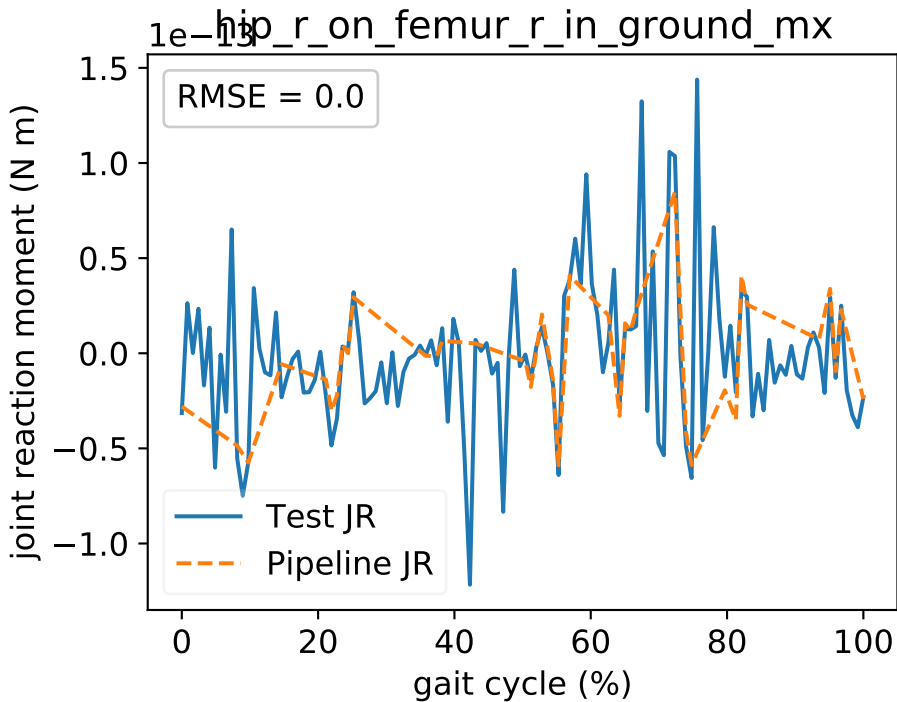


hip_r_on_femur_r_in_ground_fy

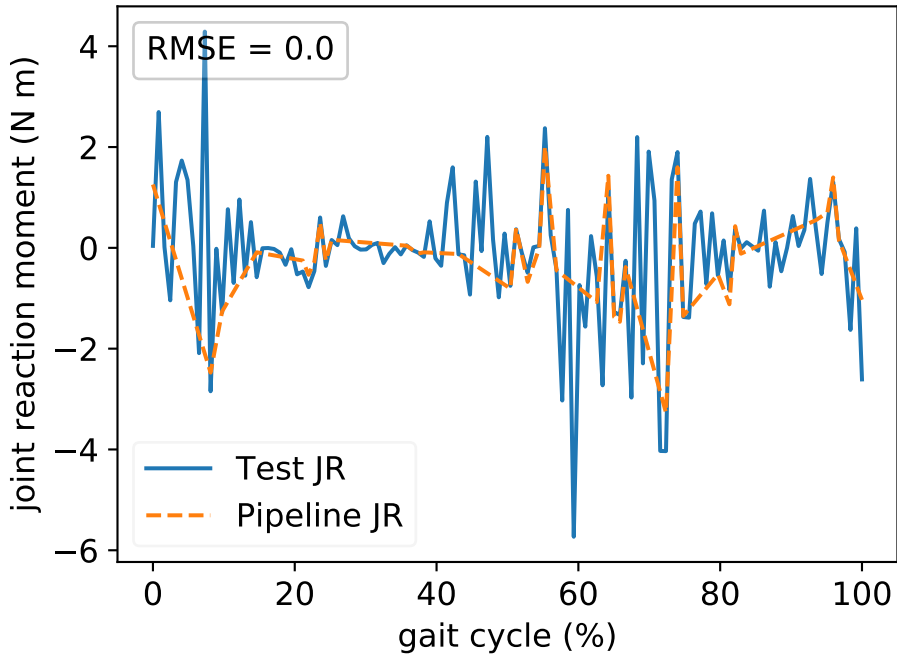


hip_r_on_femur_r_in_ground_fz

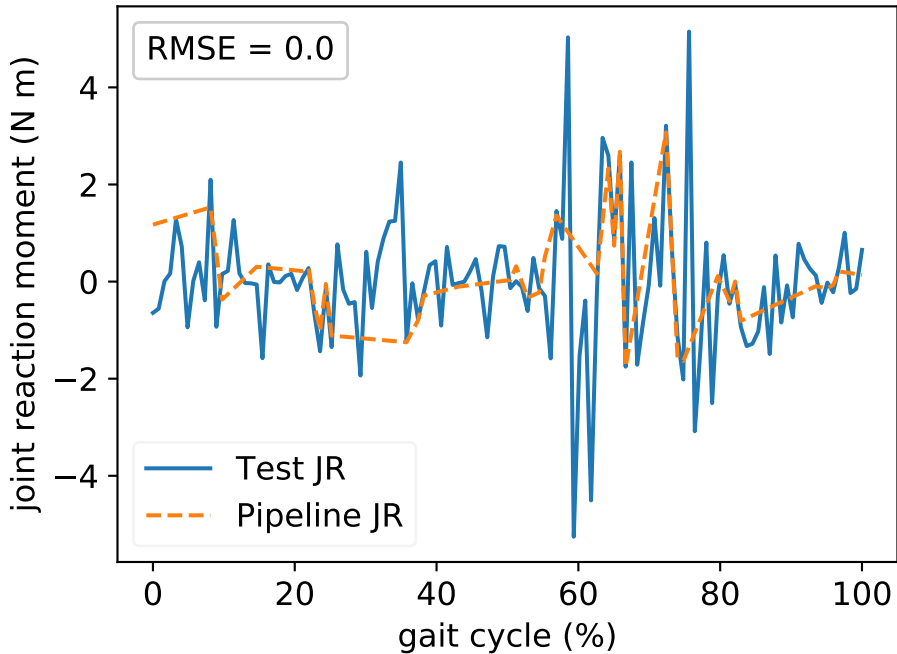




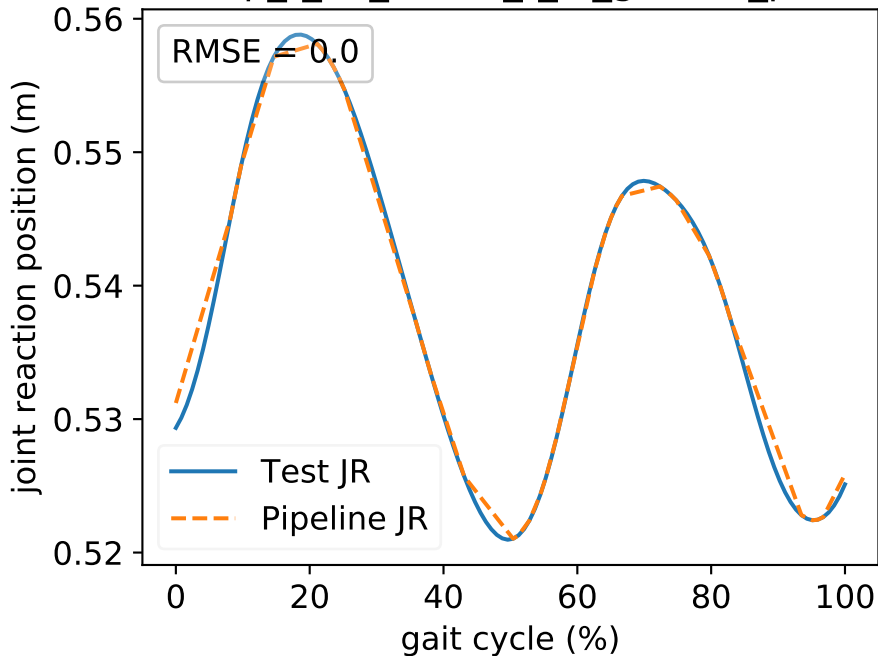
1e-14 hip_r_on_femur_r_in_ground_my



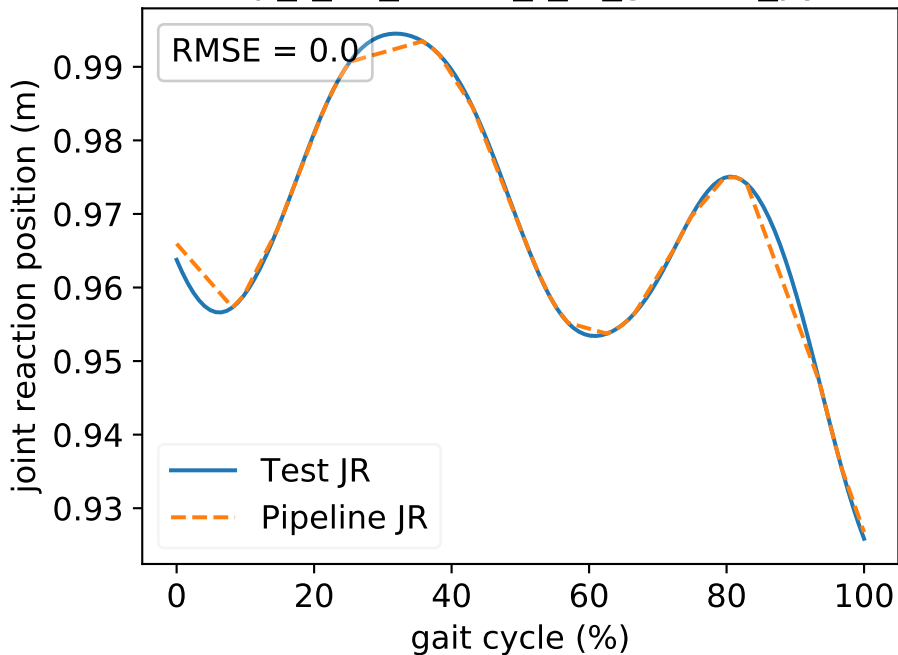
1e-14 hip_r_on_femur_r_in_ground_mz



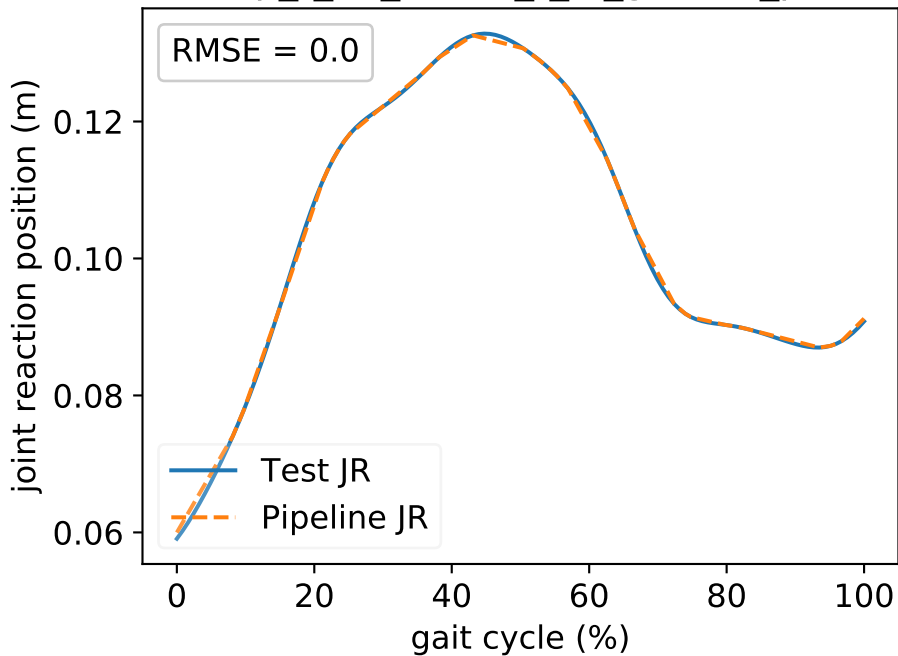
hip_r_on_femur_r_in_ground_px



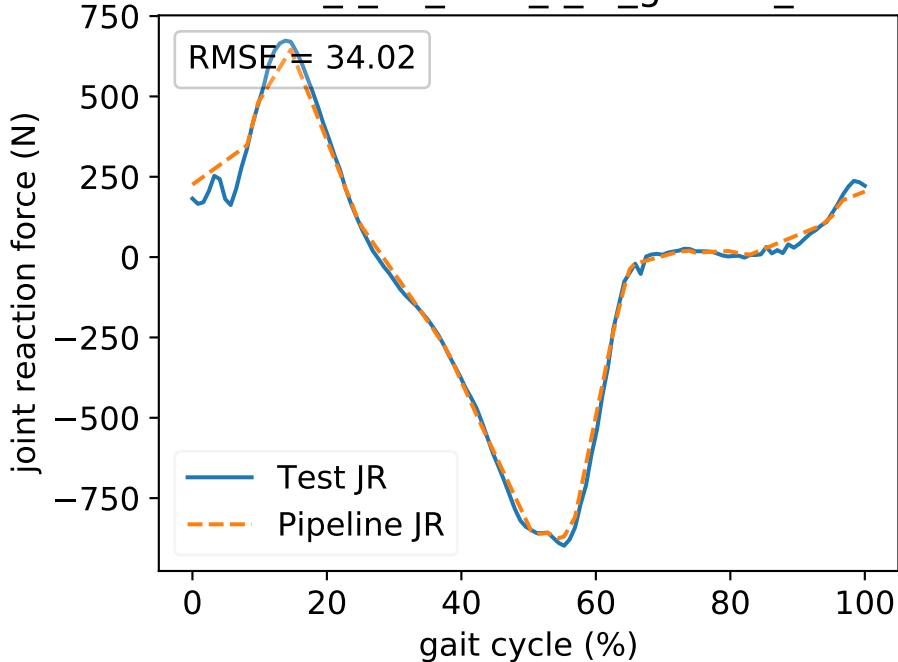
hip_r_on_femur_r_in_ground_py



hip_r_on_femur_r_in_ground_pz



knee_r_on_tibia_r_in_ground_fx



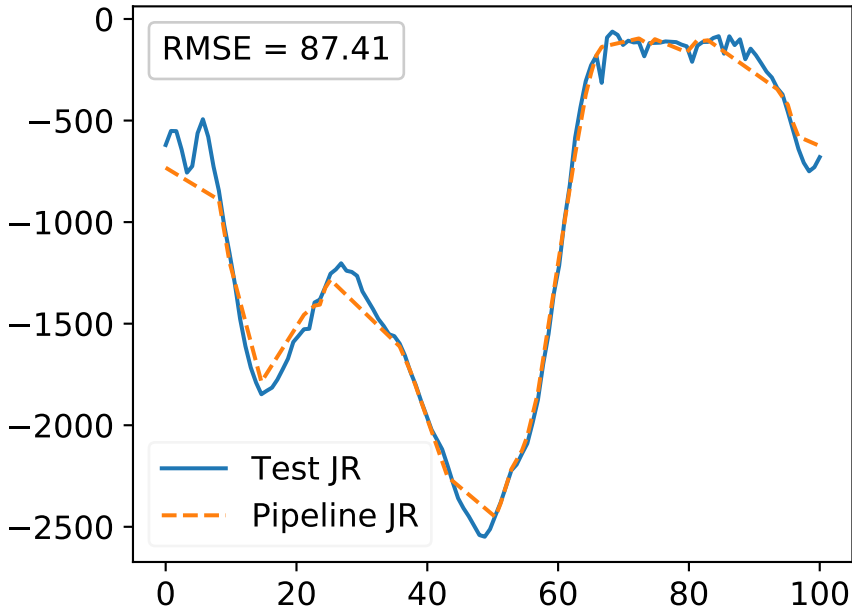
knee_r_on_tibia_r_in_ground_fy

RMSE = 87.41

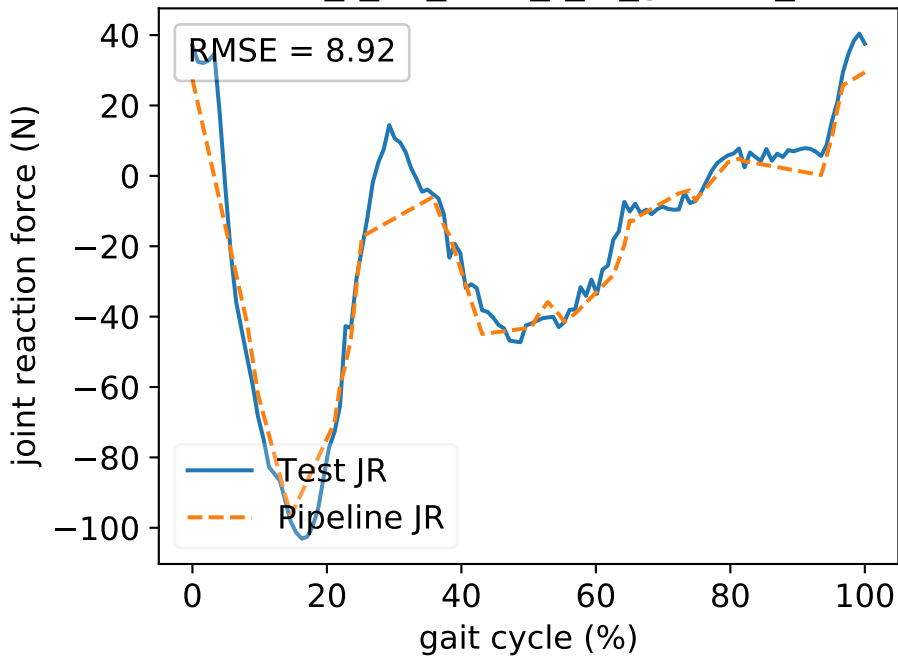
joint reaction force (N)

Test JR
Pipeline JR

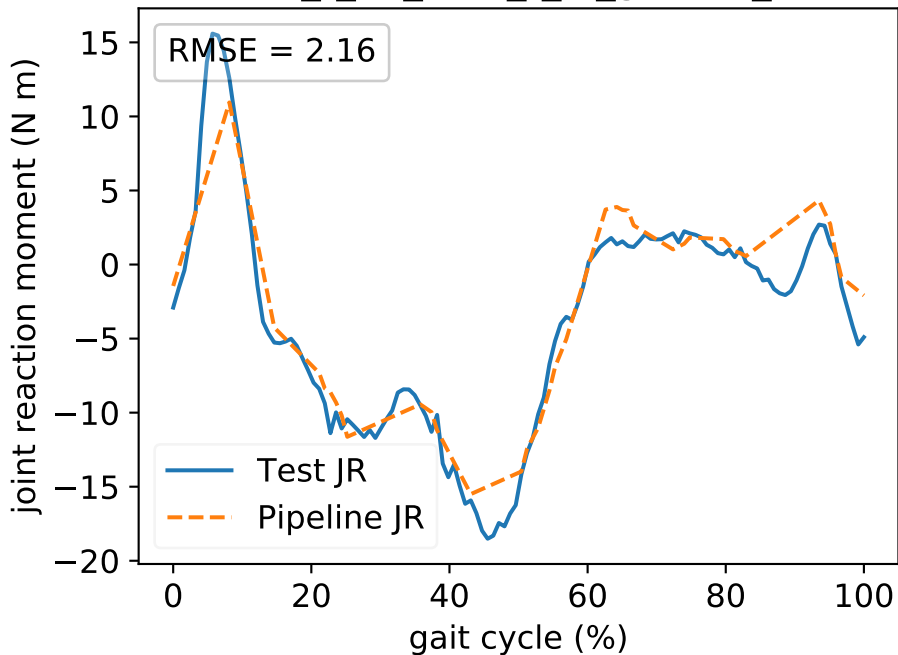
gait cycle (%)



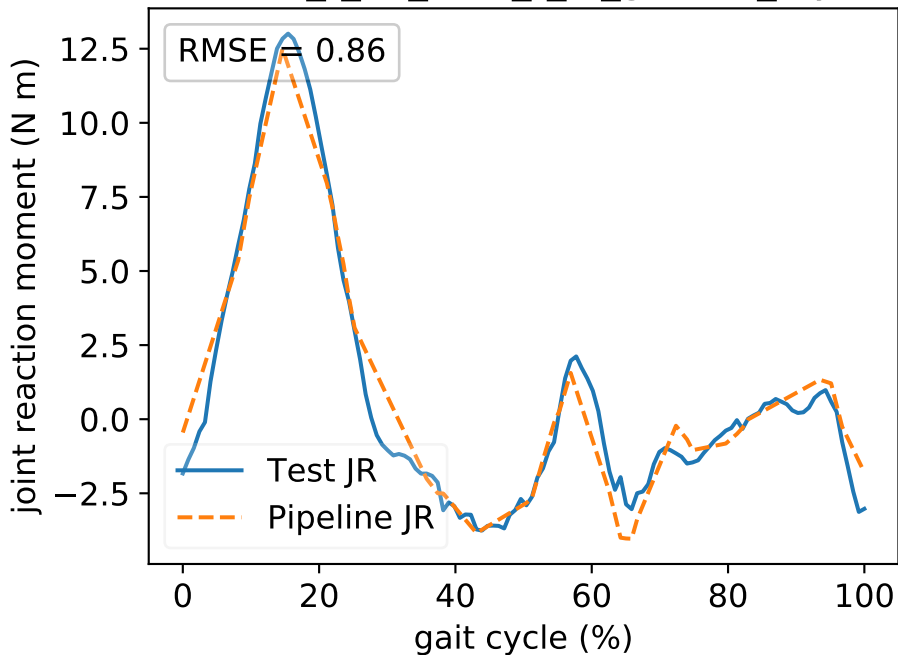
knee_r_on_tibia_r_in_ground_fz



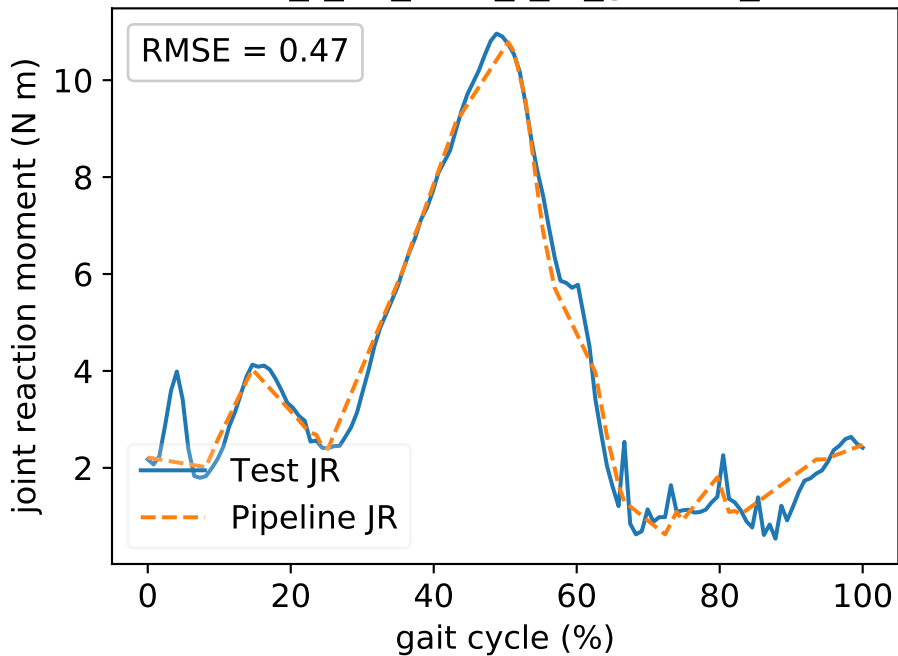
knee_r_on_tibia_r_in_ground_mx



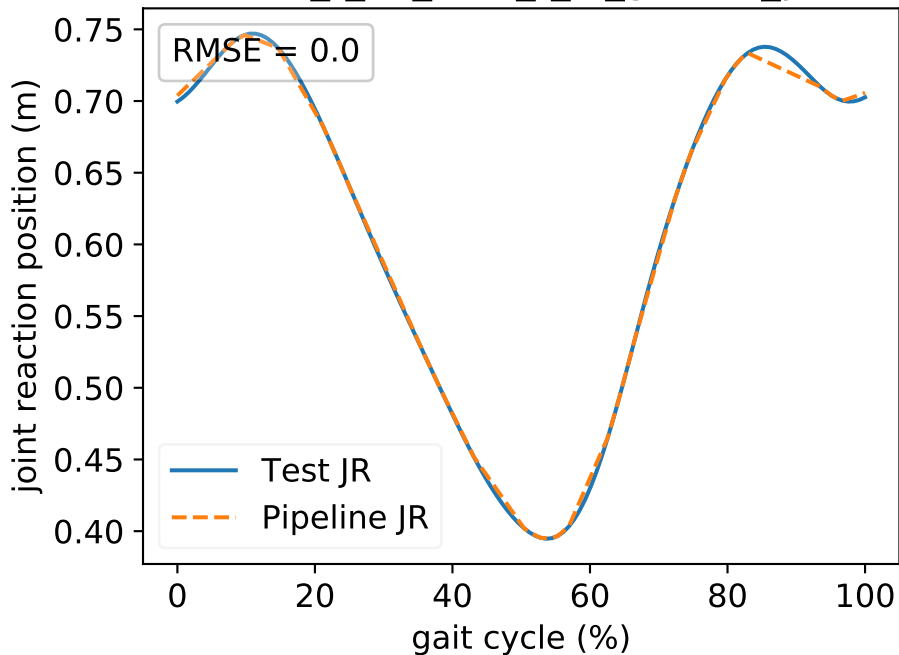
knee_r_on_tibia_r_in_ground_my



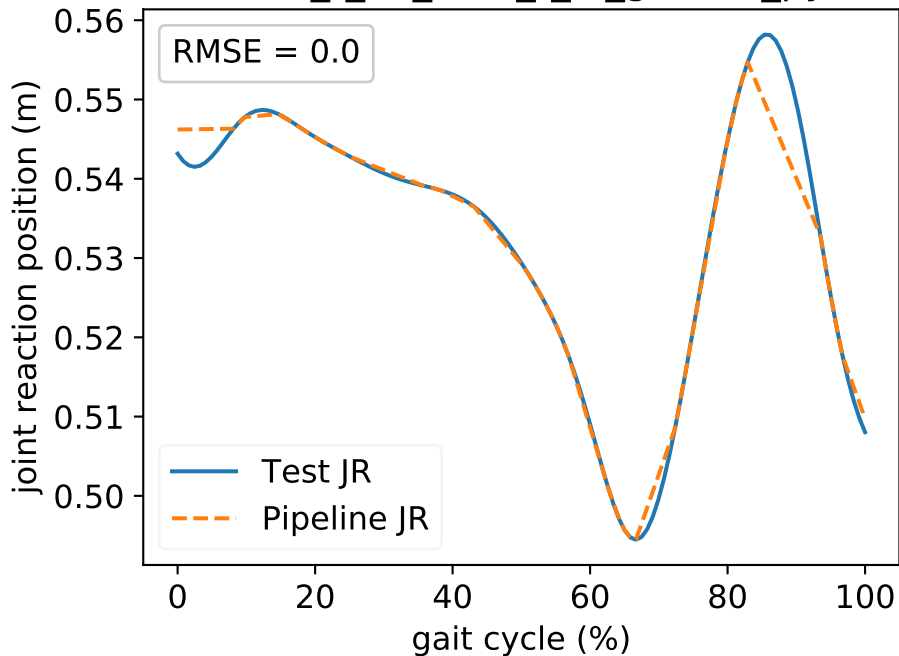
knee_r_on_tibia_r_in_ground_mz



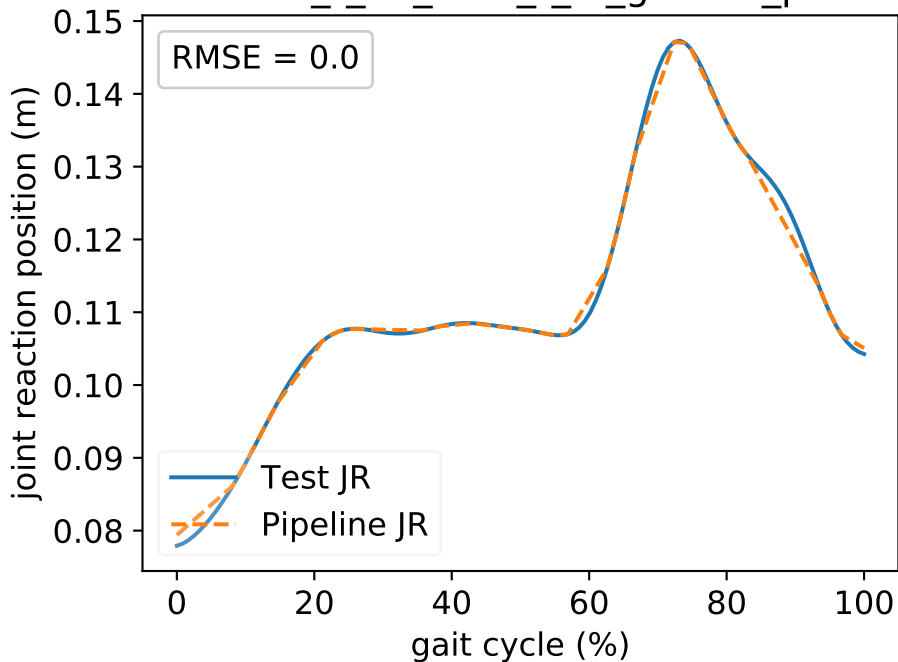
knee_r_on_tibia_r_in_ground_px



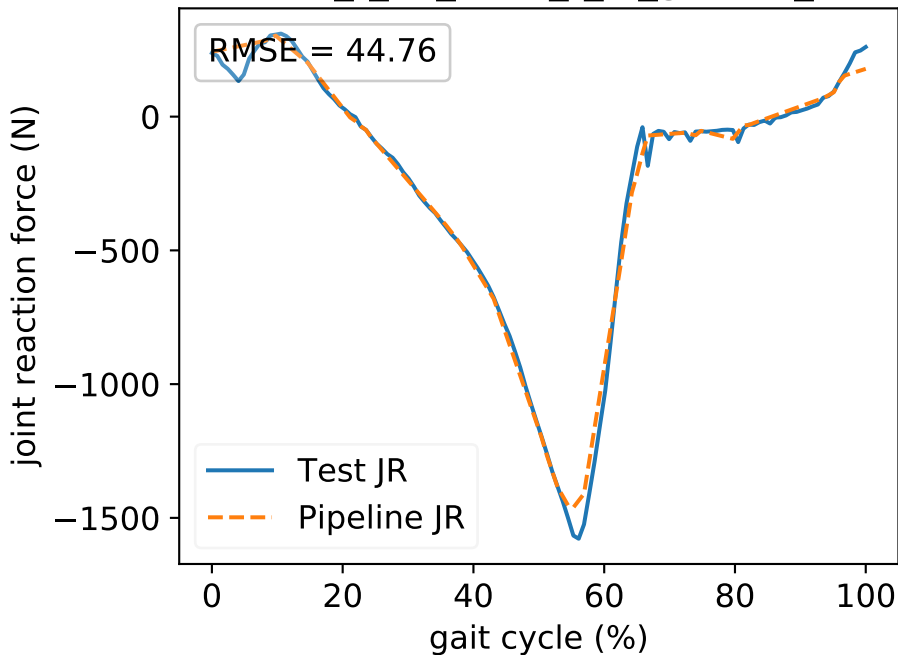
knee_r_on_tibia_r_in_ground_py



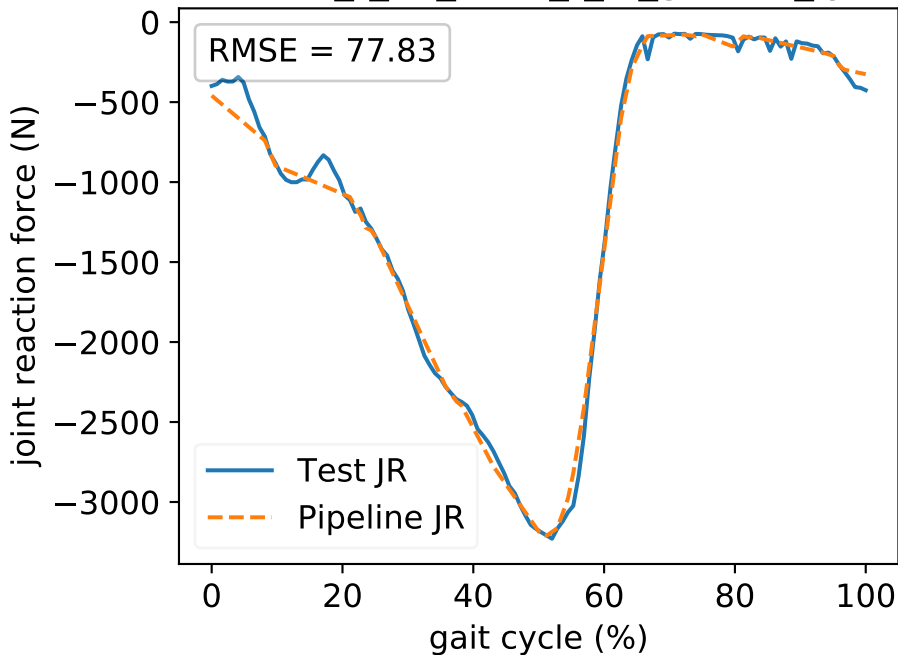
knee_r_on_tibia_r_in_ground_pz



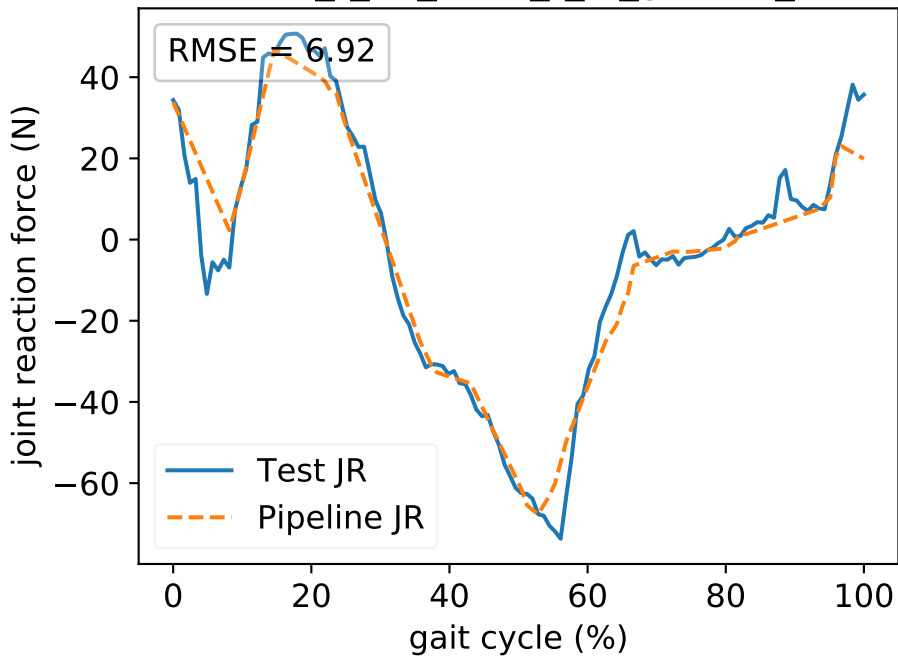
ankle_r_on_talus_r_in_ground_fx



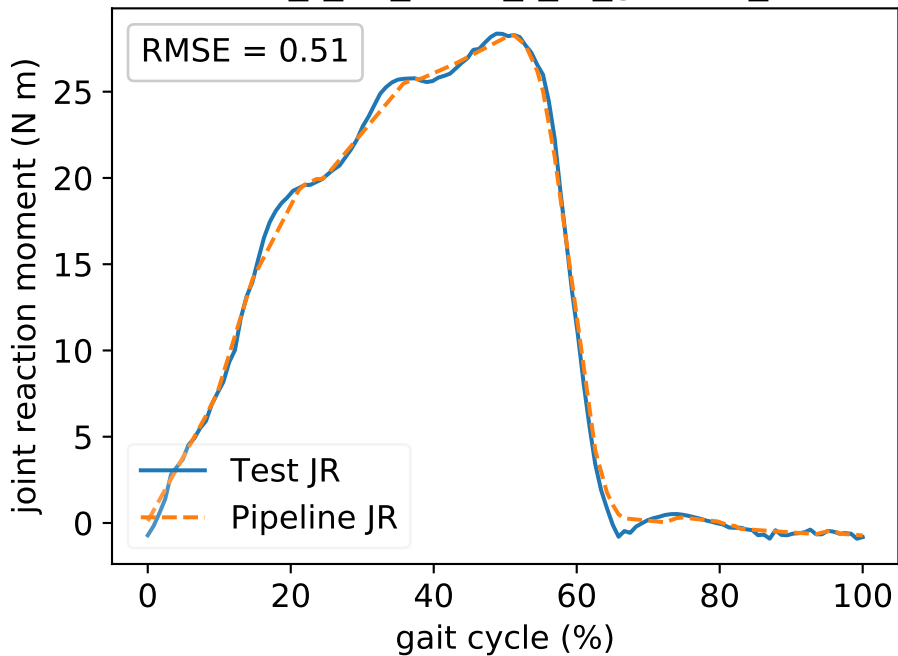
ankle_r_on_talus_r_in_ground_fy



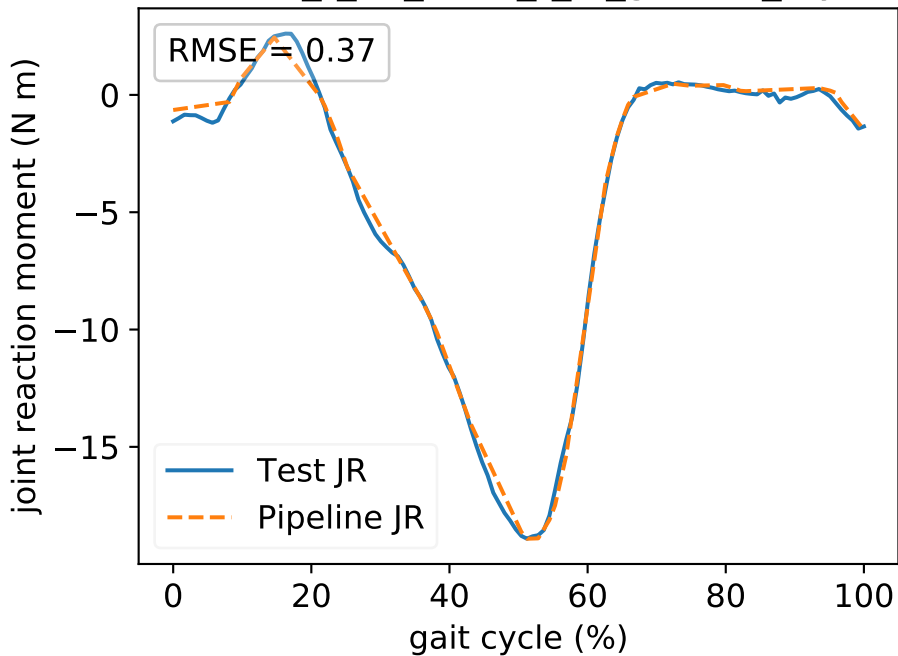
ankle_r_on_talus_r_in_ground_fz



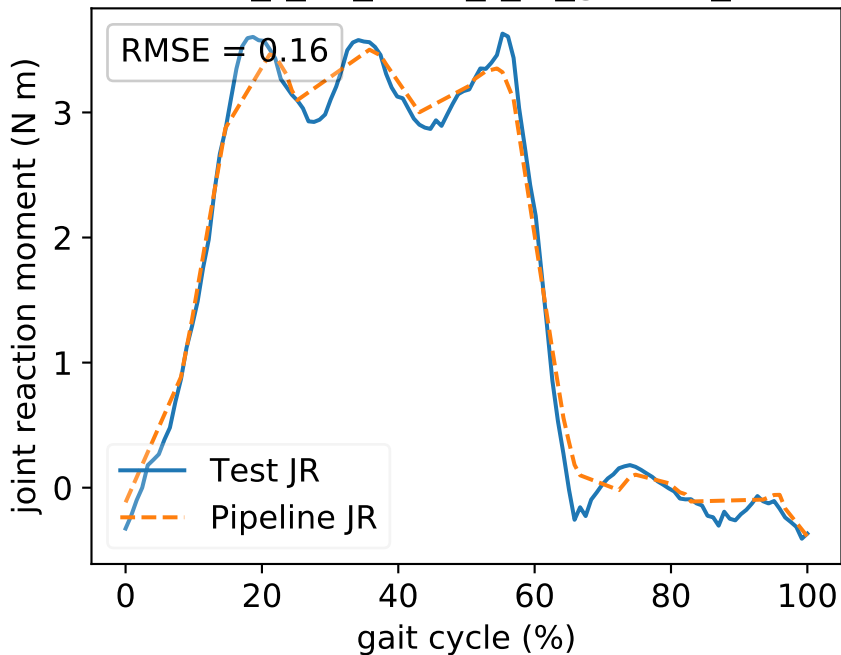
ankle_r_on_talus_r_in_ground_mx



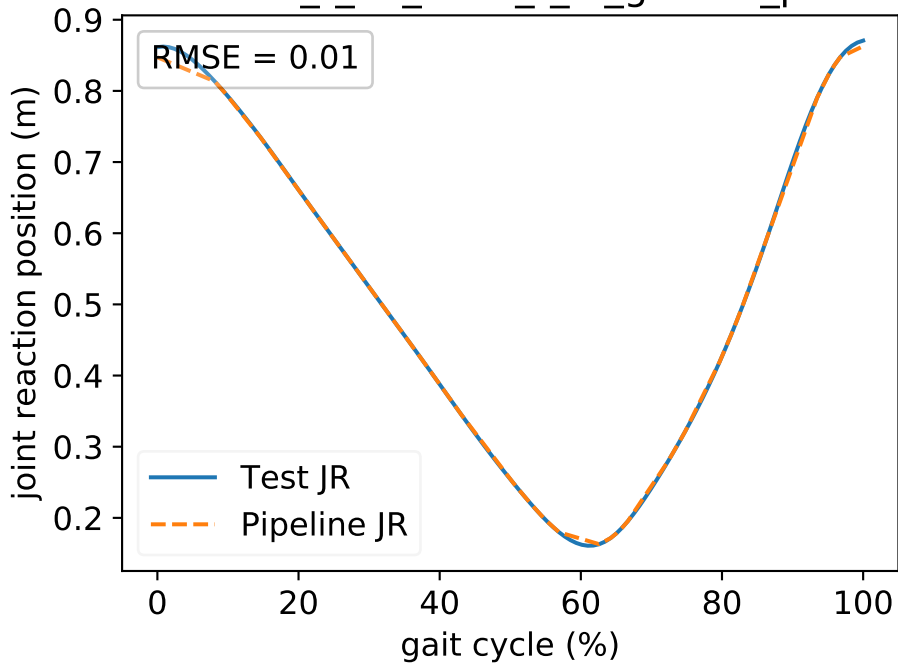
ankle_r_on_talus_r_in_ground_my



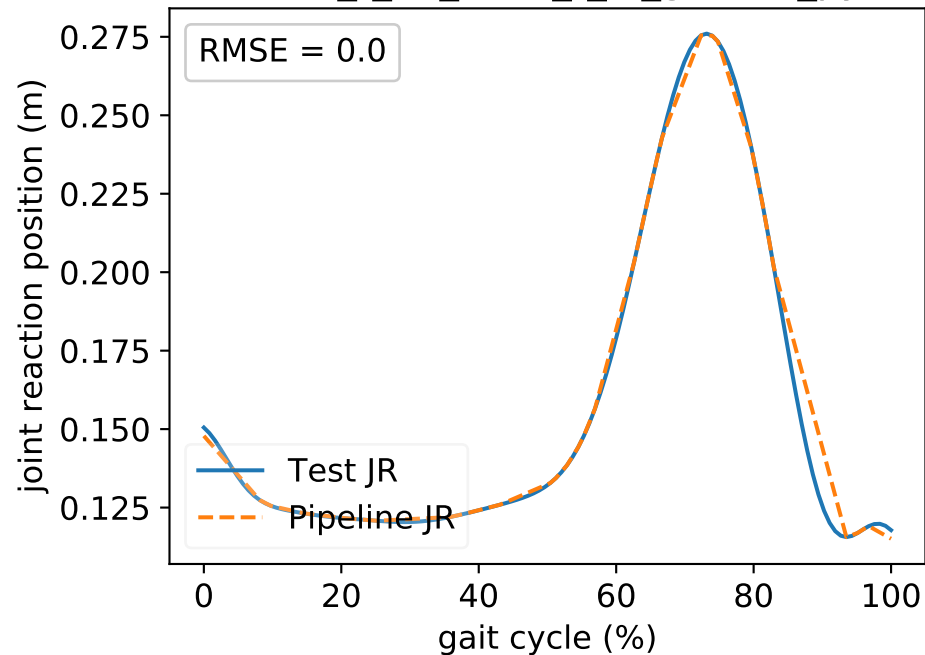
ankle_r_on_talus_r_in_ground_mz



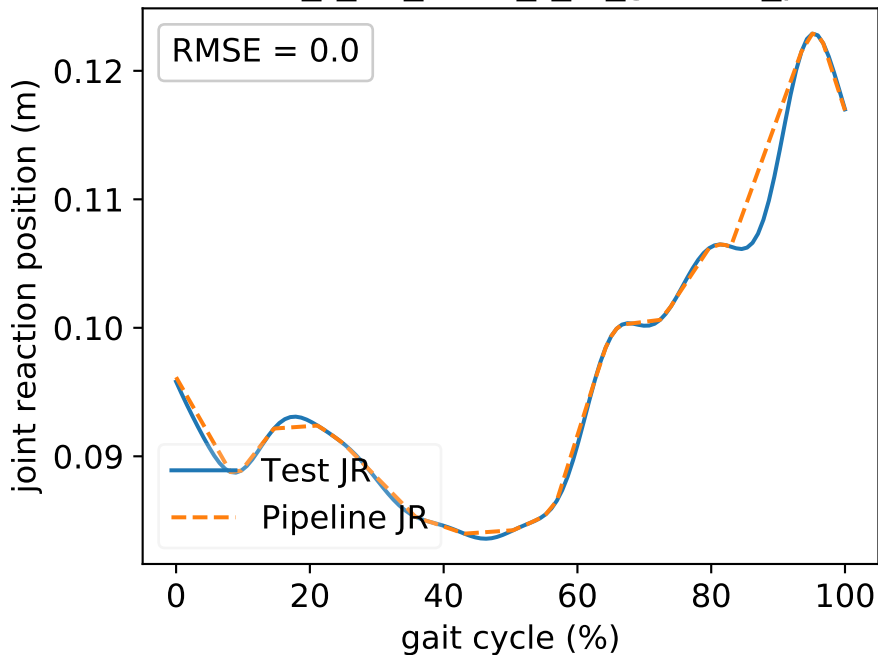
ankle_r_on_talus_r_in_ground_px



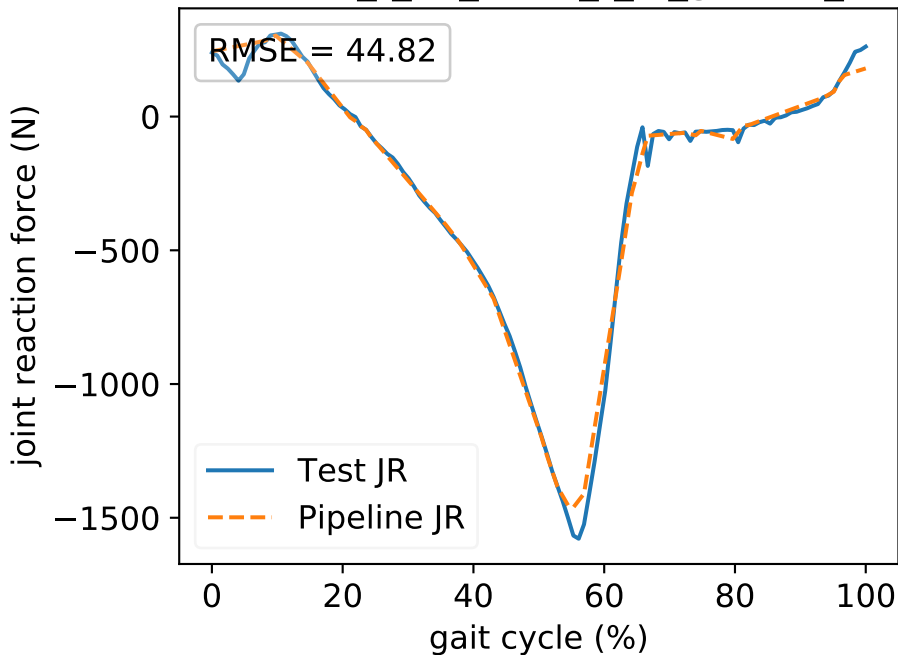
ankle_r_on_talus_r_in_ground_py



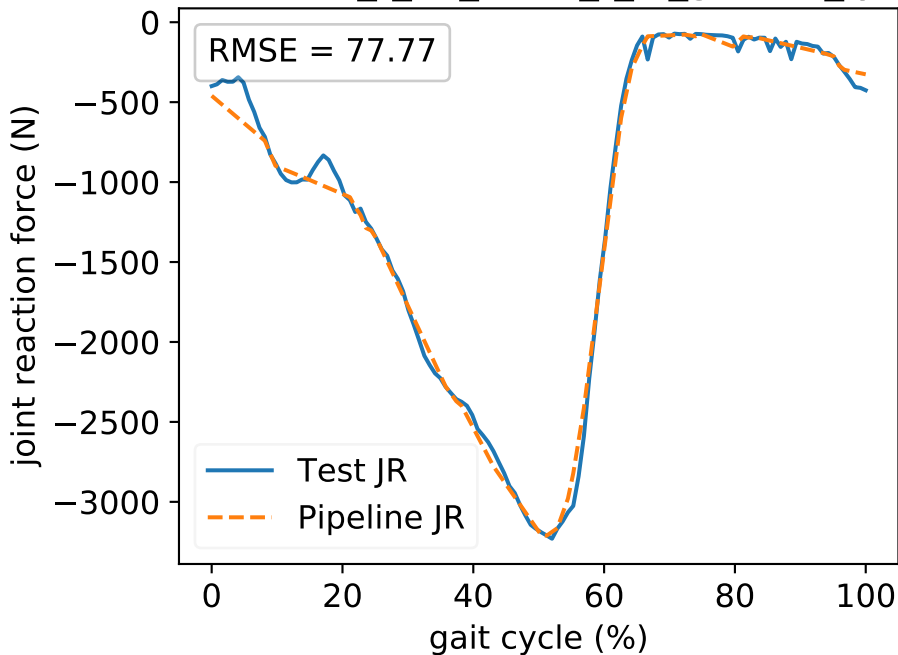
ankle_r_on_talus_r_in_ground_pz



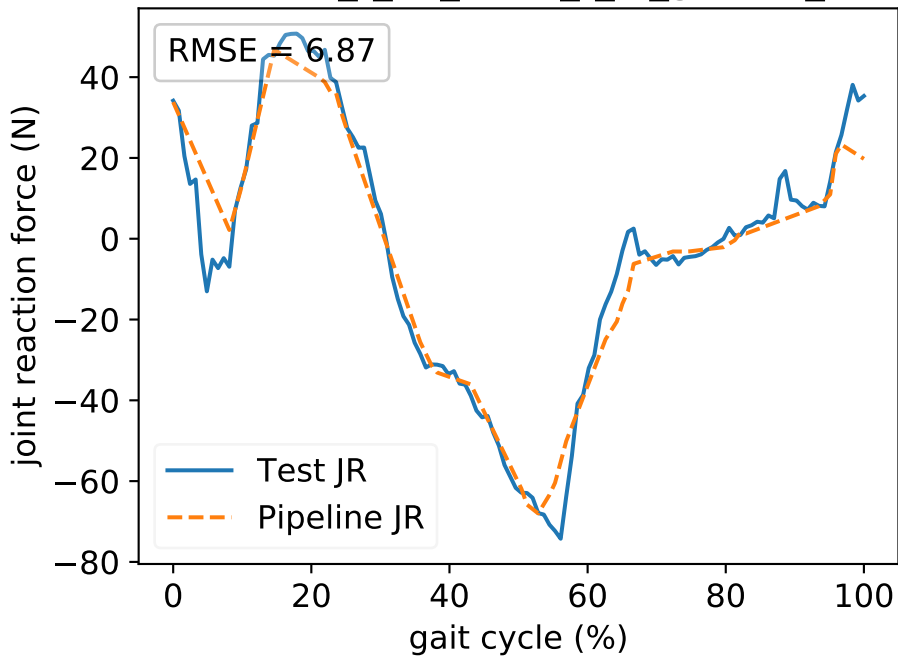
subtalar_r_on_calcn_r_in_ground_fx



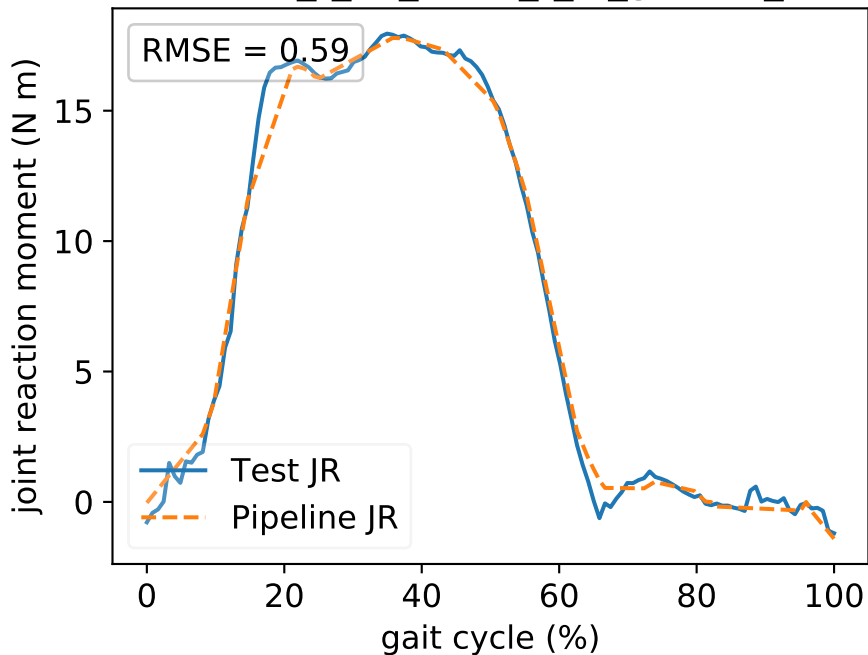
subtalar_r_on_calcn_r_in_ground_fy



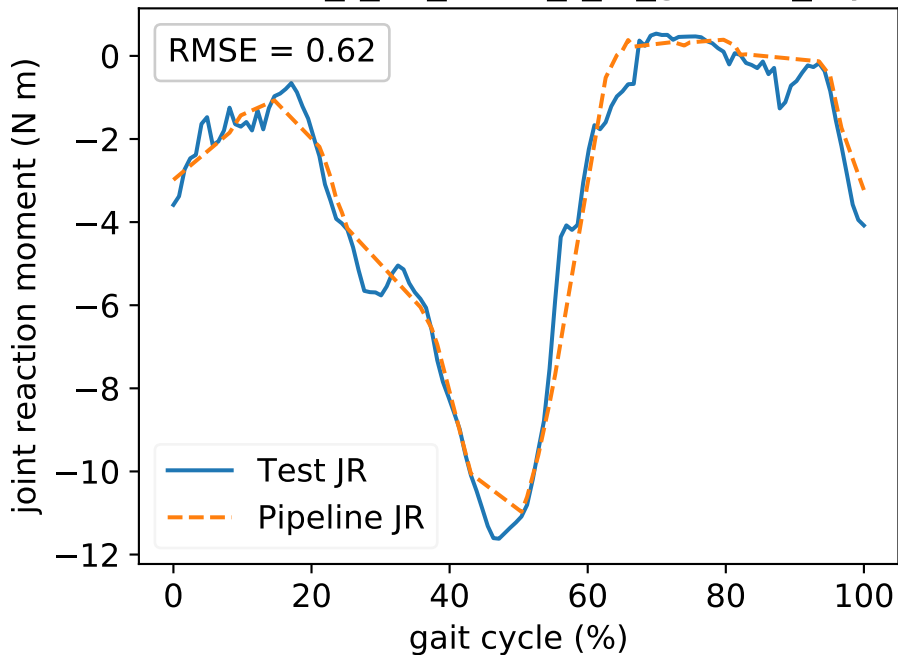
subtalar_r_on_calcn_r_in_ground_fz



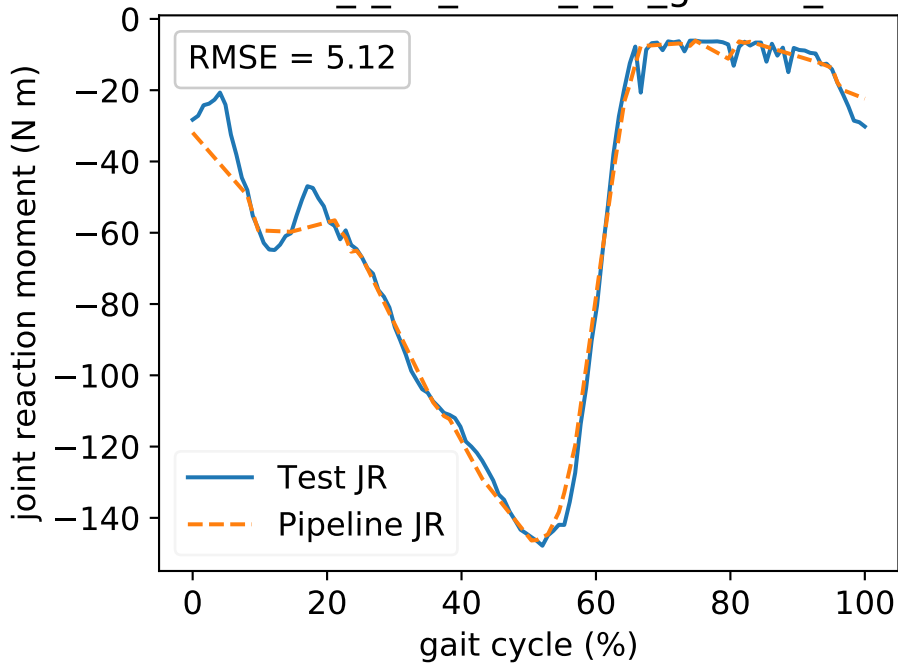
subtalar_r_on_calcn_r_in_ground_mx



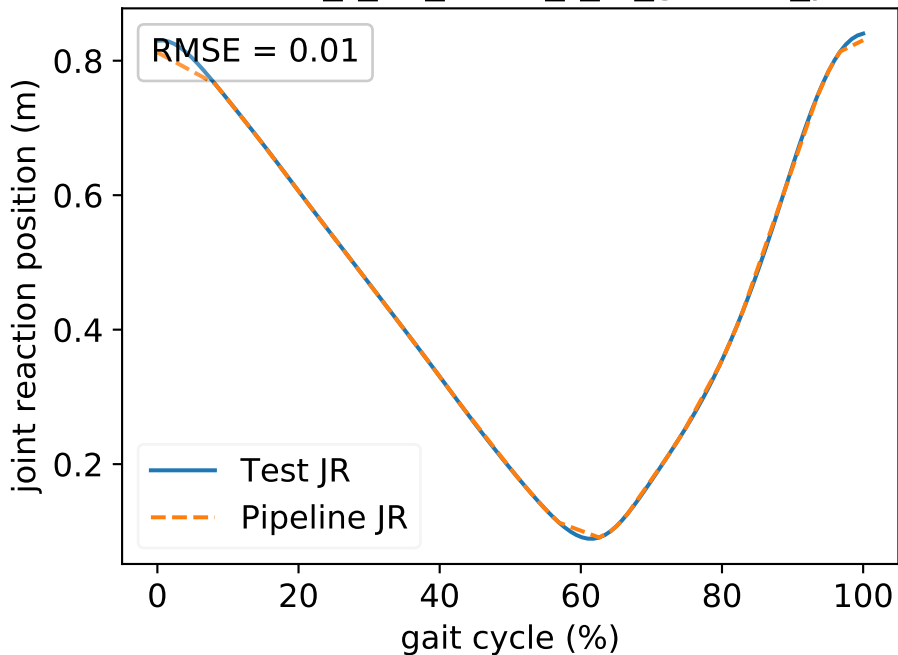
subtalar_r_on_calcn_r_in_ground_my



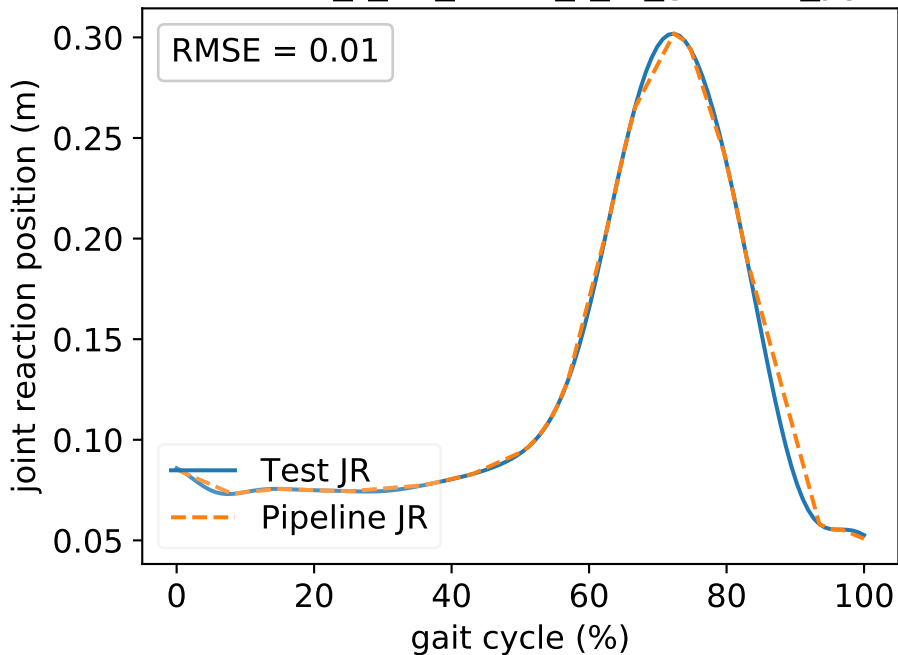
subtalar_r_on_calcn_r_in_ground_mz



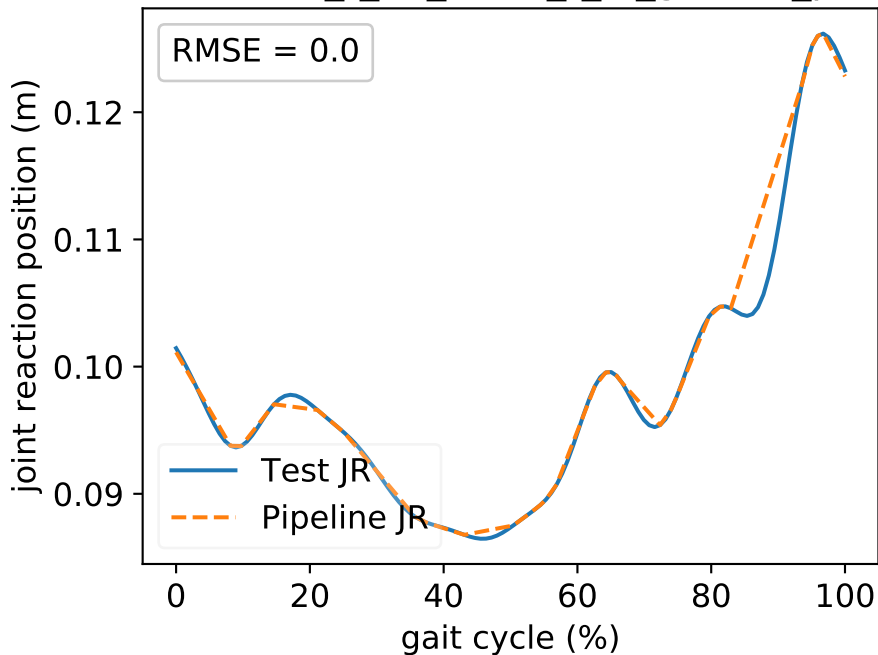
subtalar_r_on_calcn_r_in_ground_px



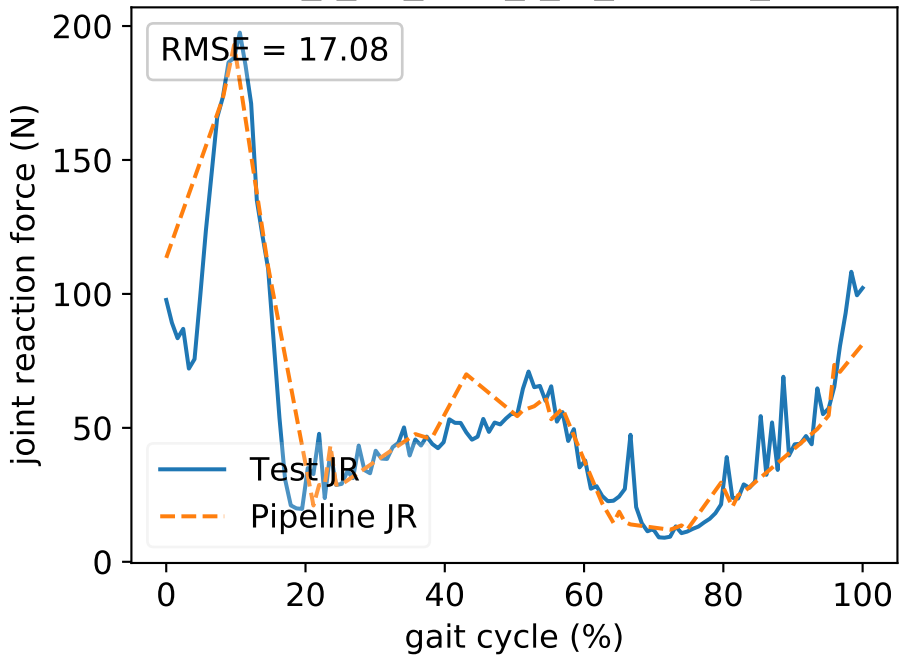
subtalar_r_on_calcn_r_in_ground_py



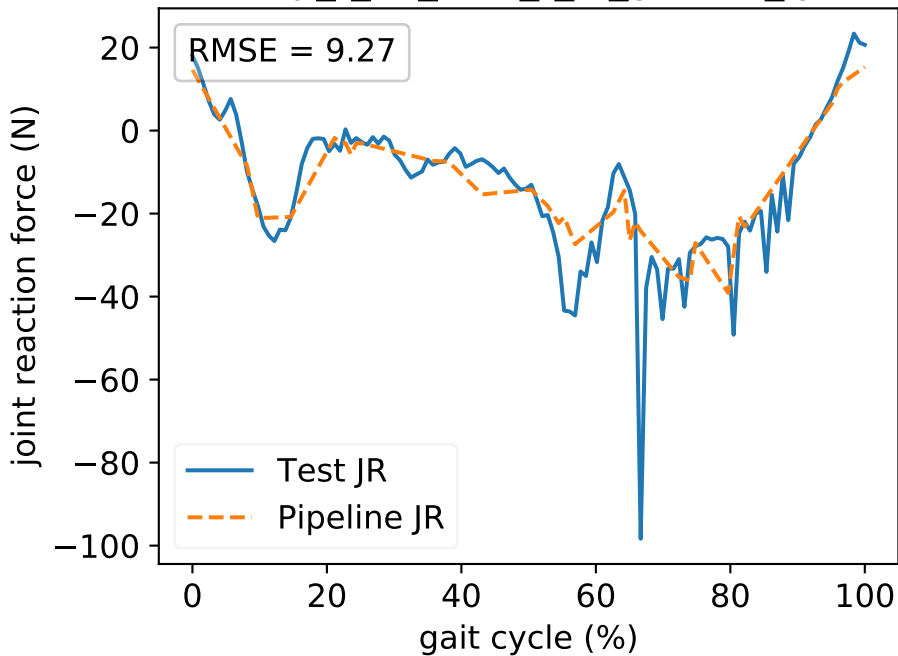
subtalar_r_on_calcn_r_in_ground_pz



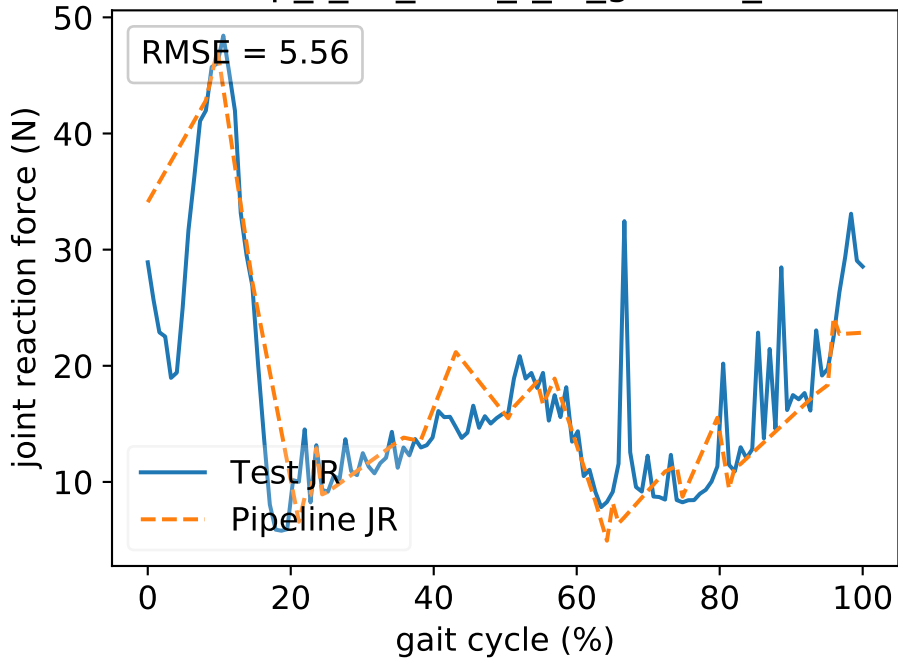
mtp_r_on_toes_r_in_ground_fx



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 = 0.08

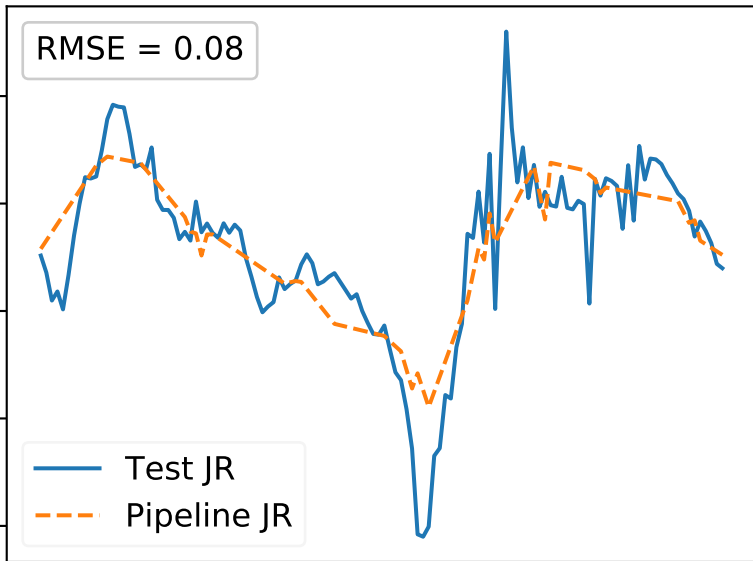
joint reaction moment (N m)

0.2
0.0
-0.2
-0.4
-0.6

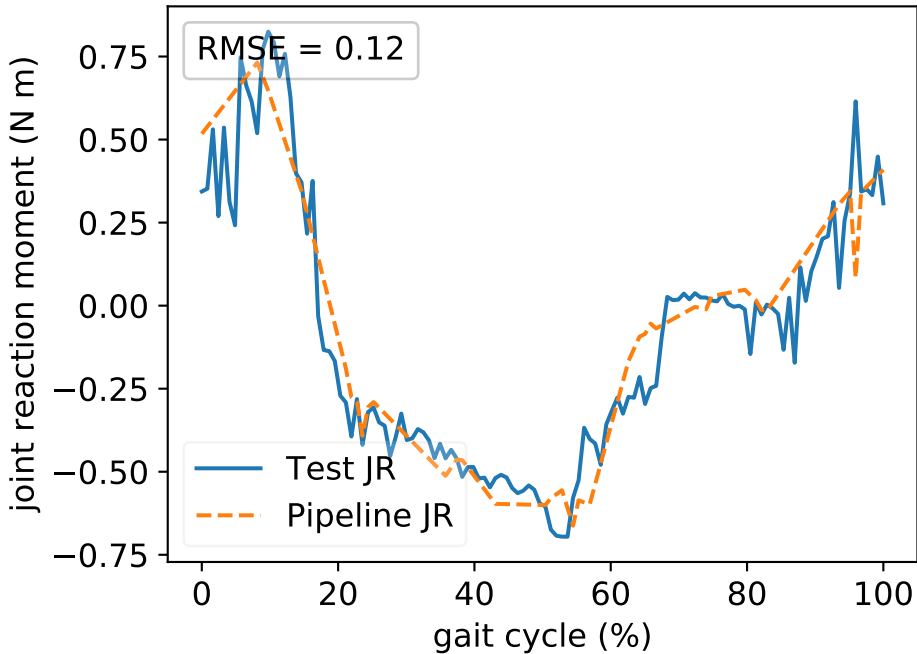
Test JR
Pipeline JR

gait cycle (%)

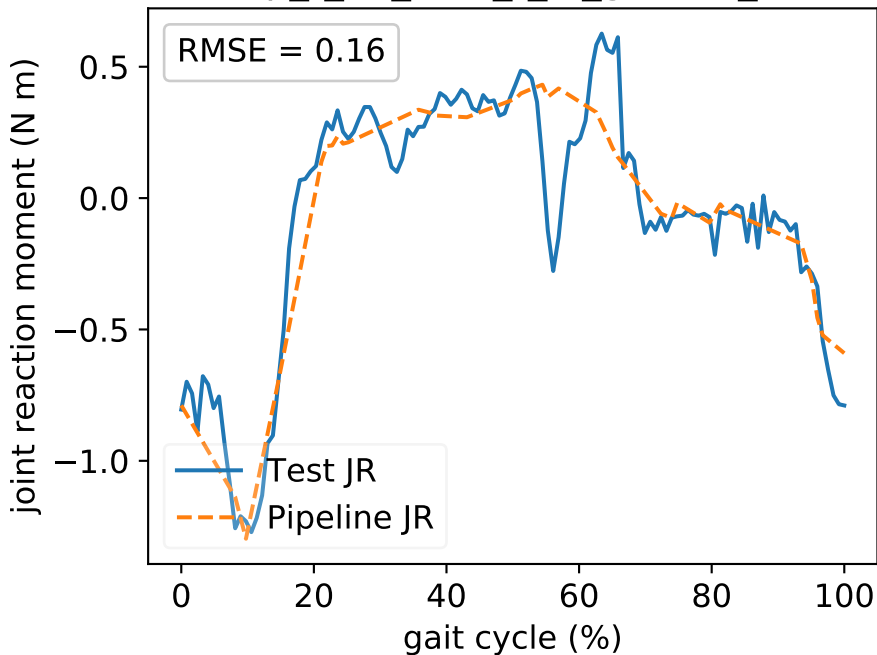
0 20 40 60 80 100



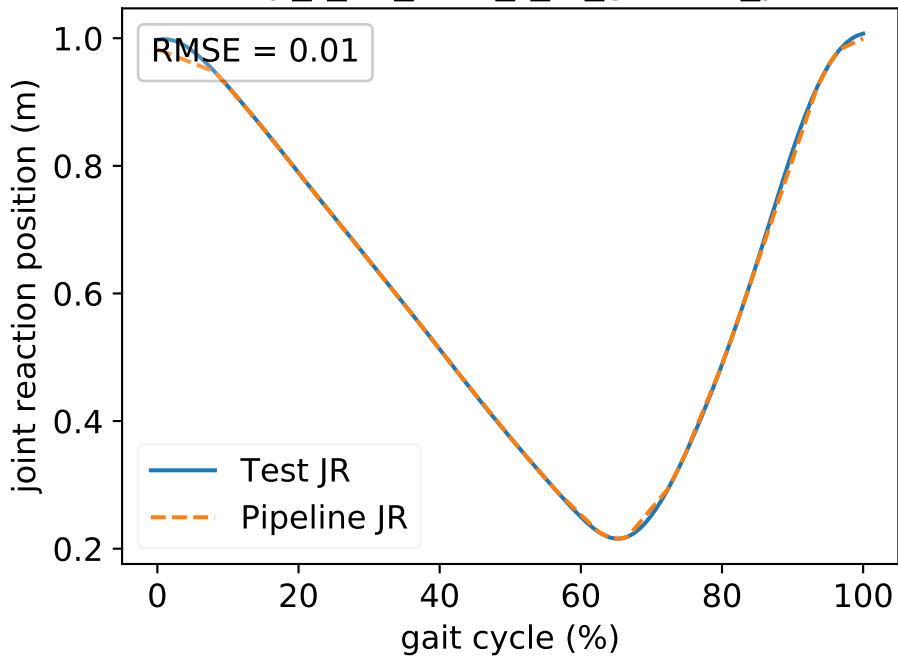
mtp_r_on_toes_r_in_ground_my



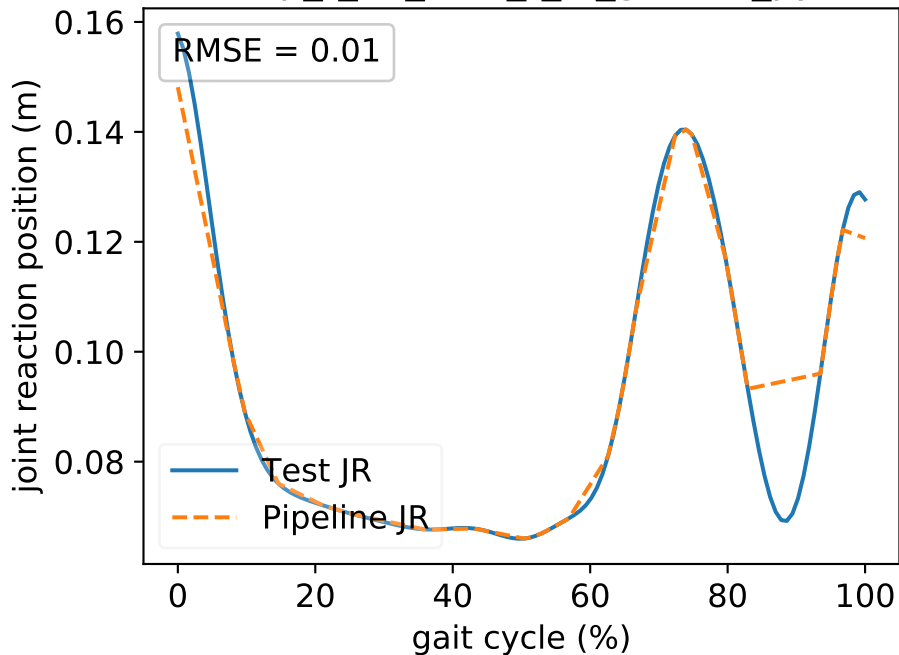
mtp_r_on_toes_r_in_ground_mz



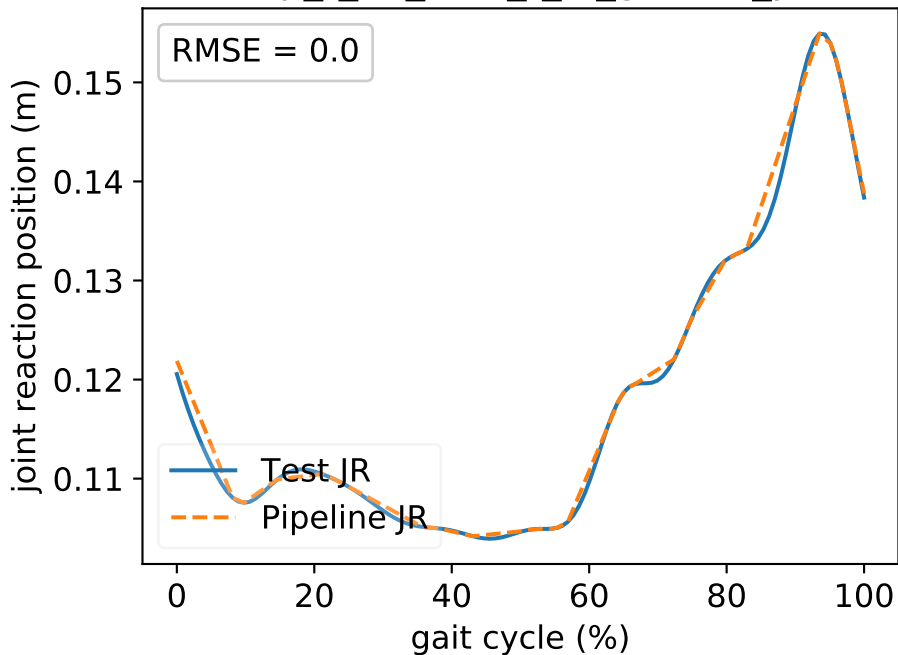
mtp_r_on_toes_r_in_ground_px



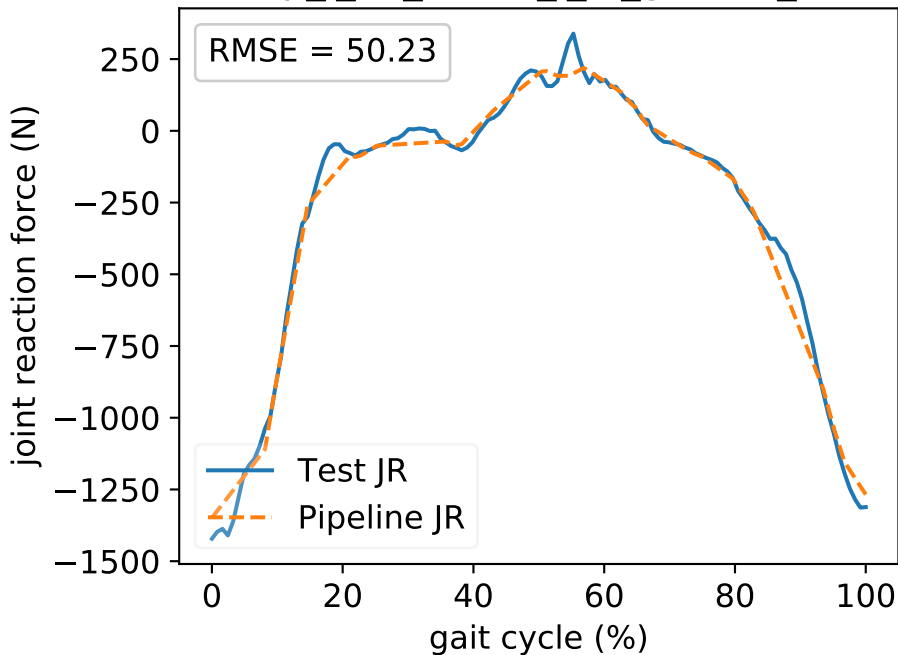
mtp_r_on_toes_r_in_ground_py



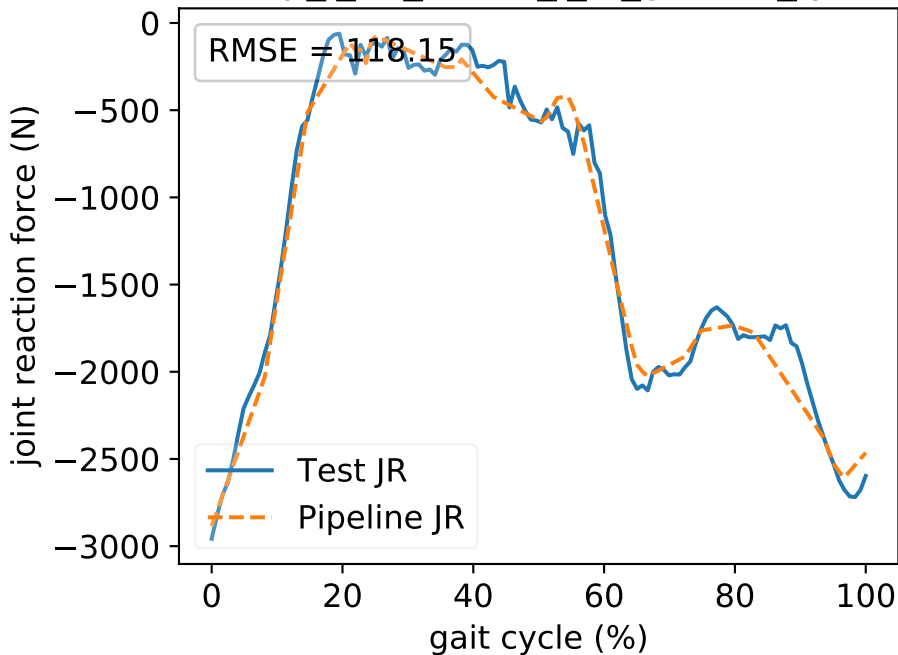
mtp_r_on_toes_r_in_ground_pz



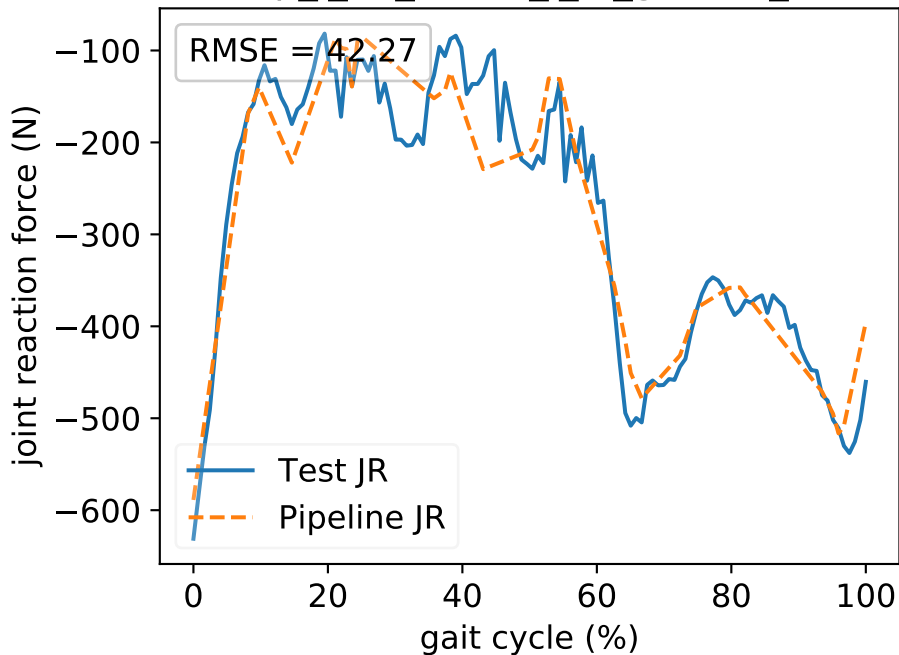
hip_l_on_femur_l_in_ground_fx



hip_l_on_femur_l_in_ground_fy



hip_l_on_femur_l_in_ground_fz



1e-13 hip_l_on_femur_l_in_ground_mx

RMSE = 0.0

joint reaction moment (N m)

1.5
1.0
0.5
0.0
-0.5
-1.0

Test JR
Pipeline JR

gait cycle (%)

0

20

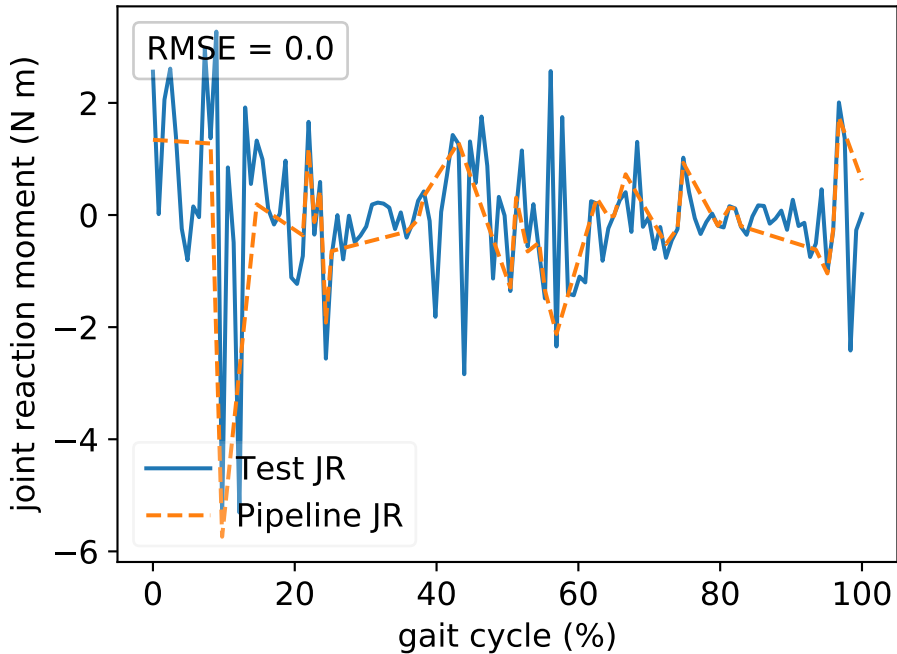
40

60

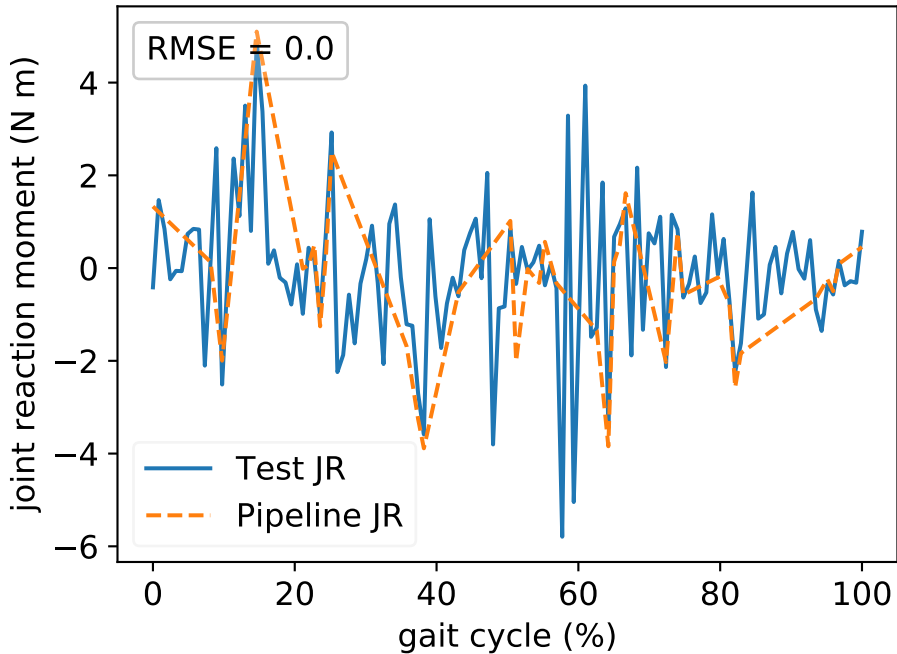
80

100

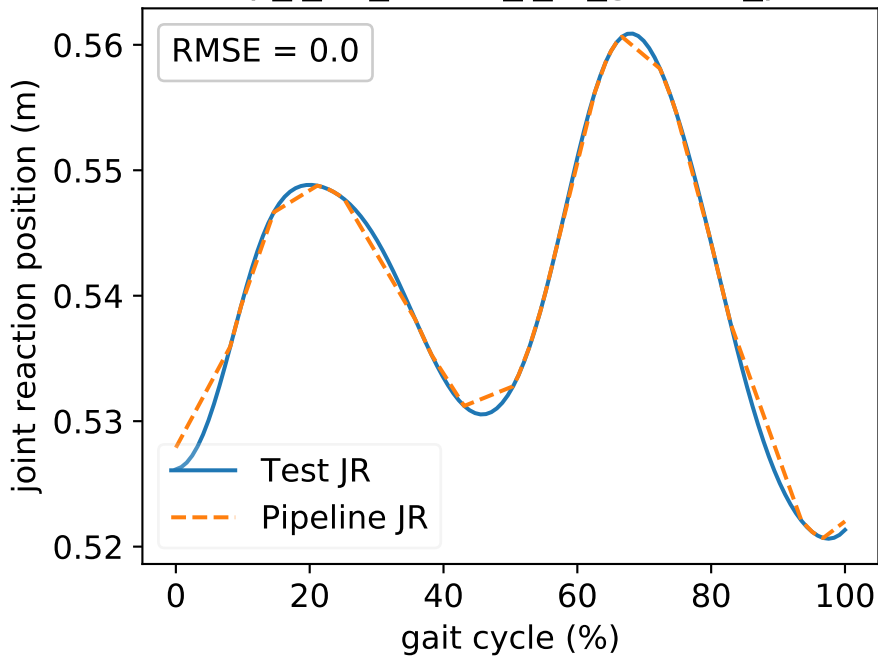
1e-14 hip_l_on_femur_l_in_ground_my



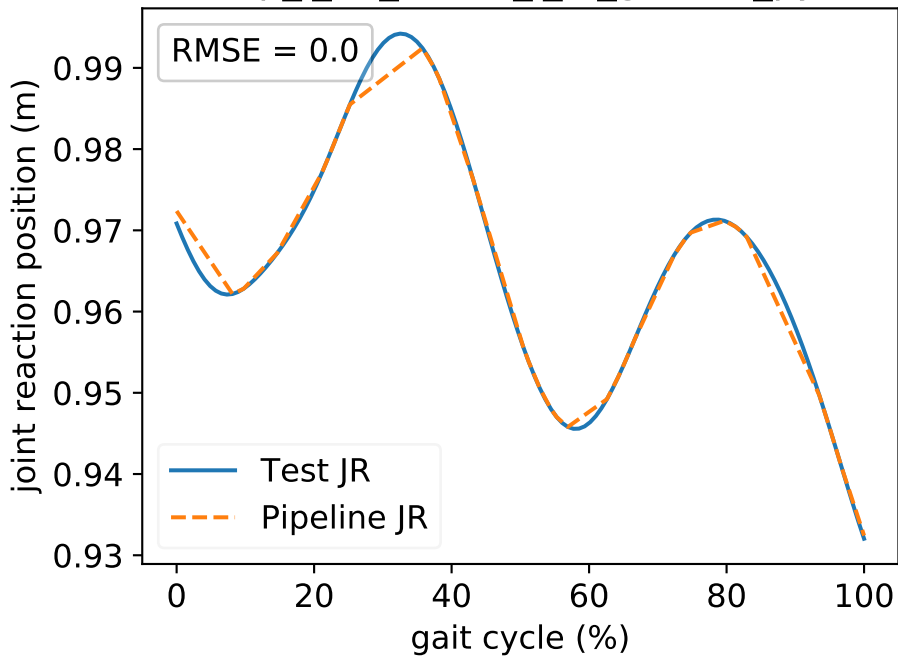
hip_l_on_femur_l_in_ground_mz



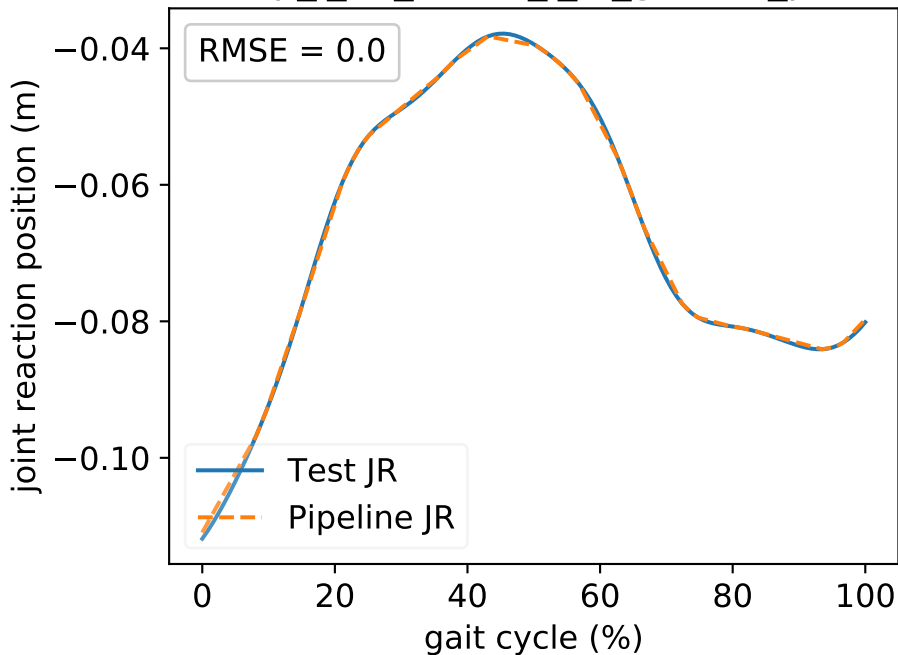
hip_l_on_femur_l_in_ground_px



hip_l_on_femur_l_in_ground_py



hip_l_on_femur_l_in_ground_pz



knee_l_on_tibia_l_in_ground_fx

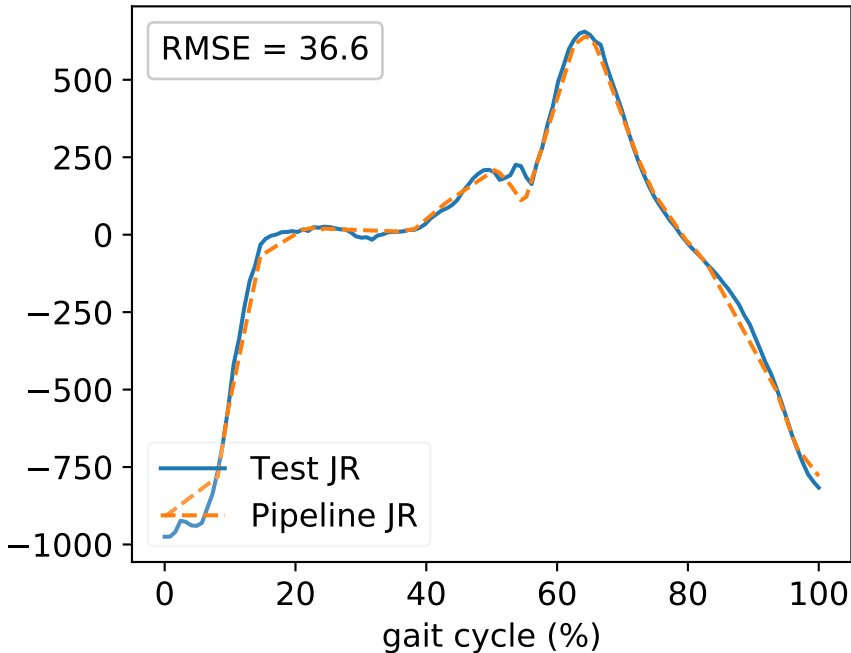
RMSE = 36.6

joint reaction force (N)

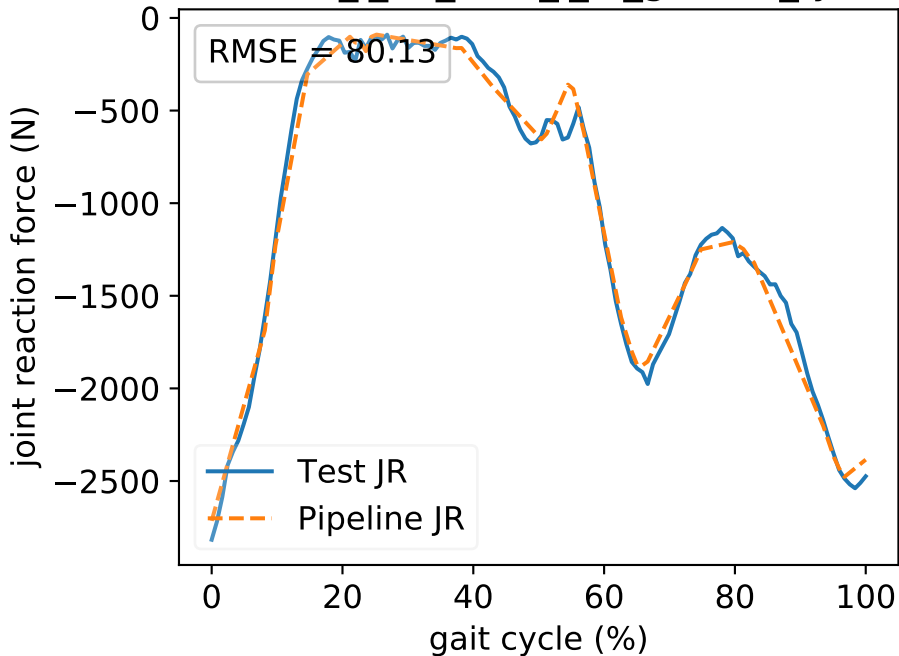
500
250
0
-250
-500
-750
-1000

Test JR
Pipeline JR

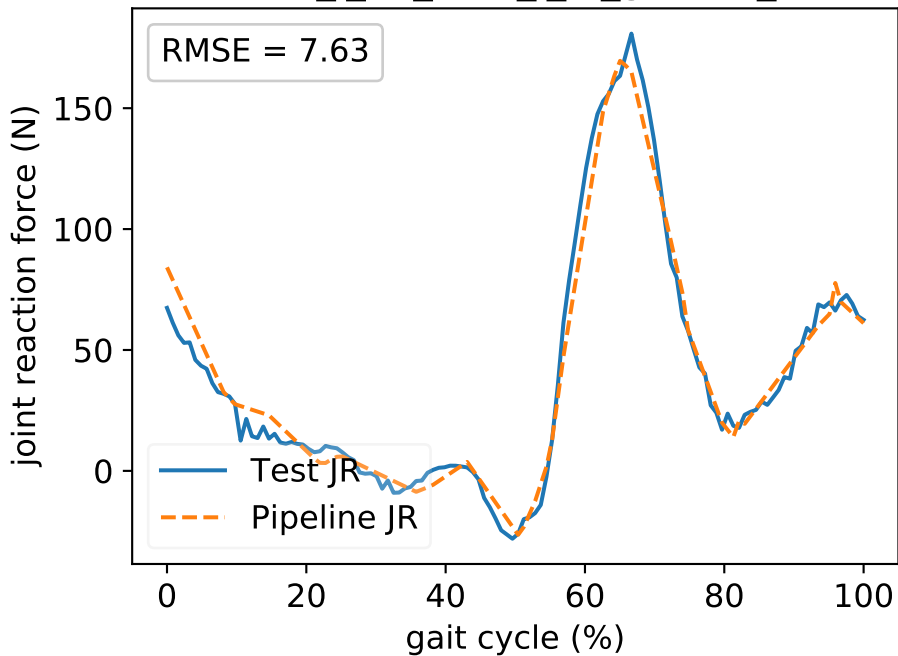
0 20 40 60 80 100
gait cycle (%)



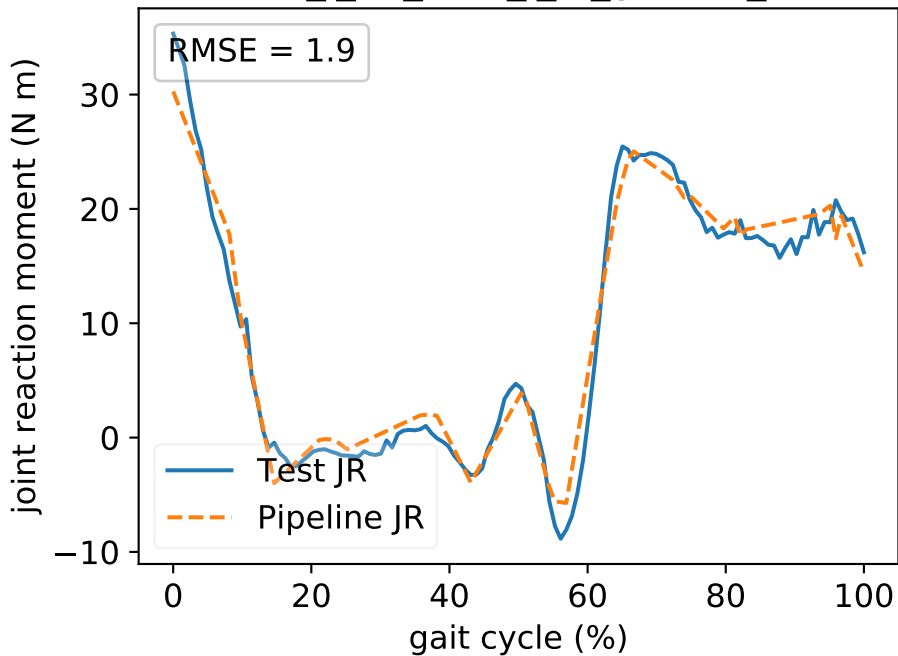
knee_l_on_tibia_l_in_ground_fy



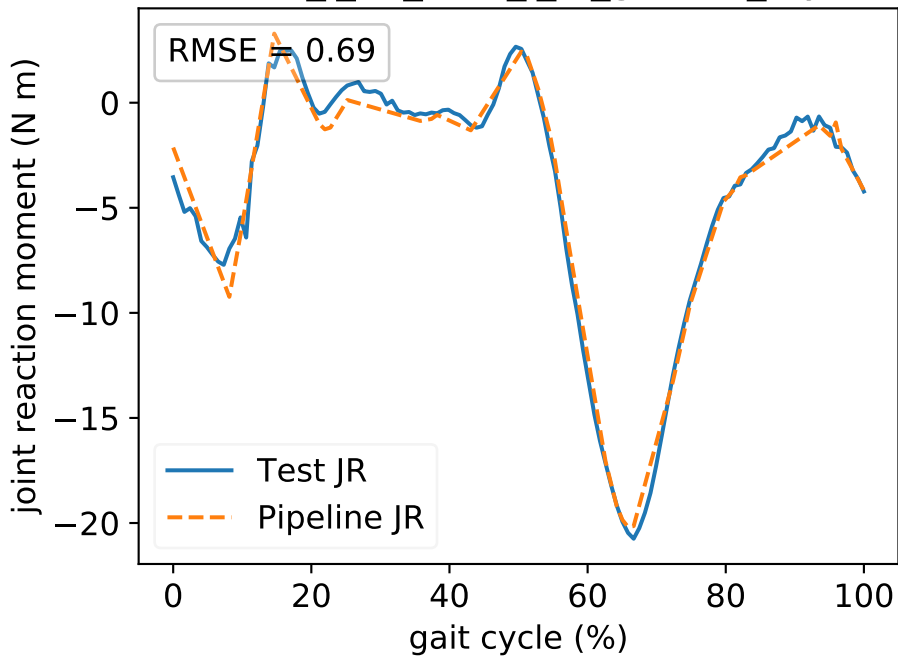
knee_l_on_tibia_l_in_ground_fz



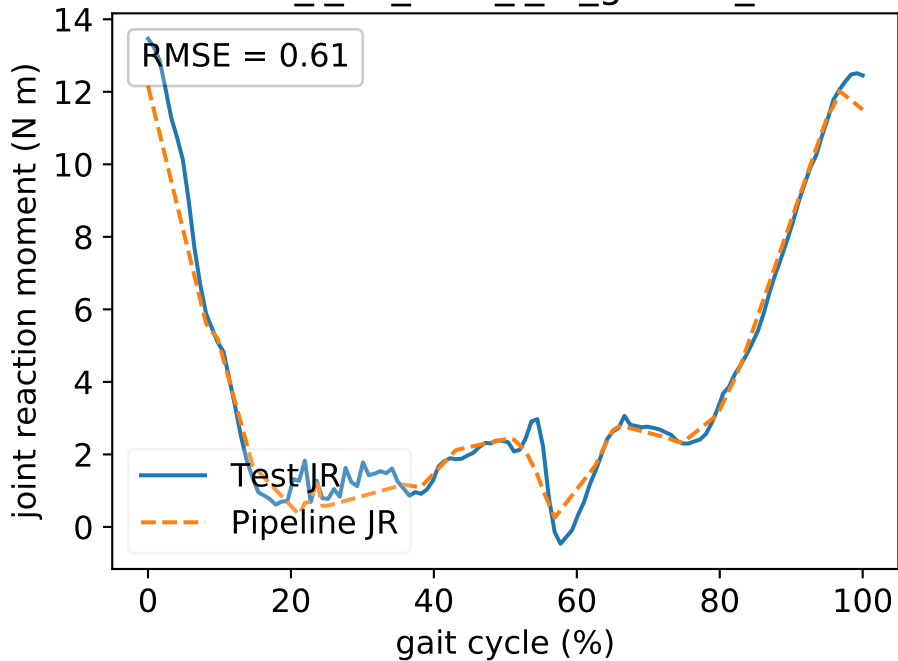
knee_l_on_tibia_l_in_ground_mx



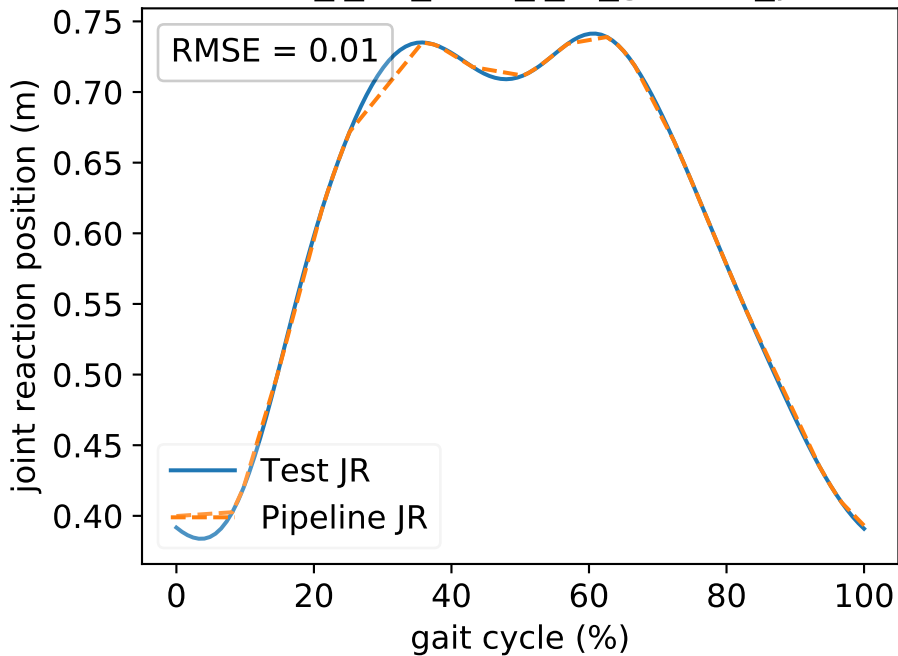
knee_l_on_tibia_l_in_ground_my



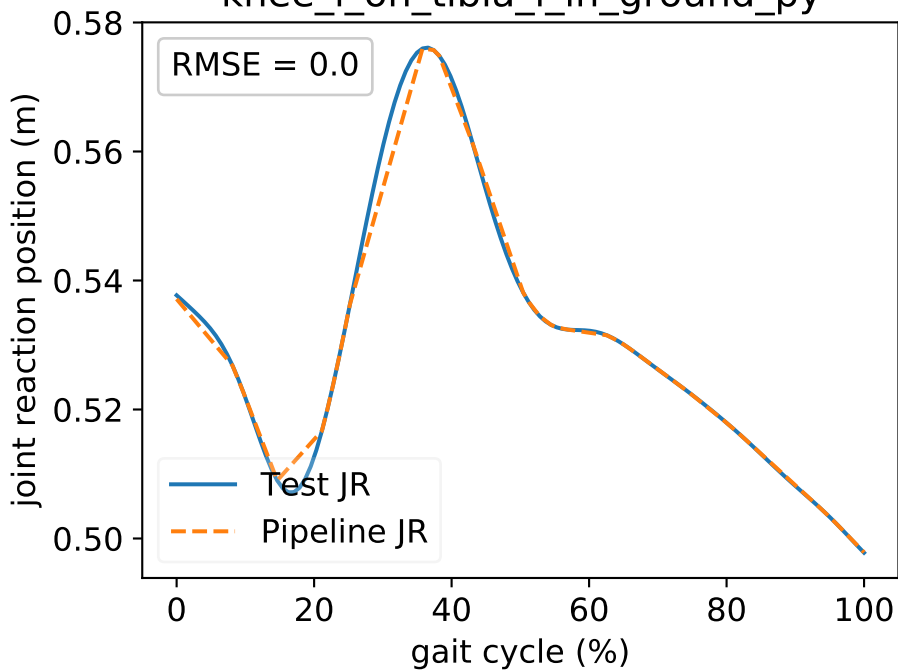
knee_l_on_tibia_l_in_ground_mz



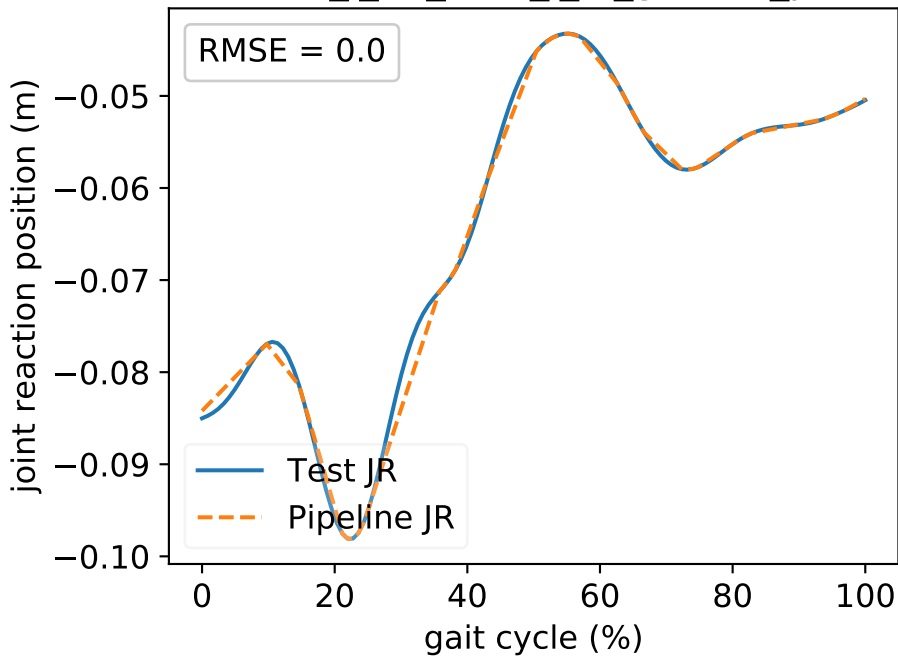
knee_l_on_tibia_l_in_ground_px



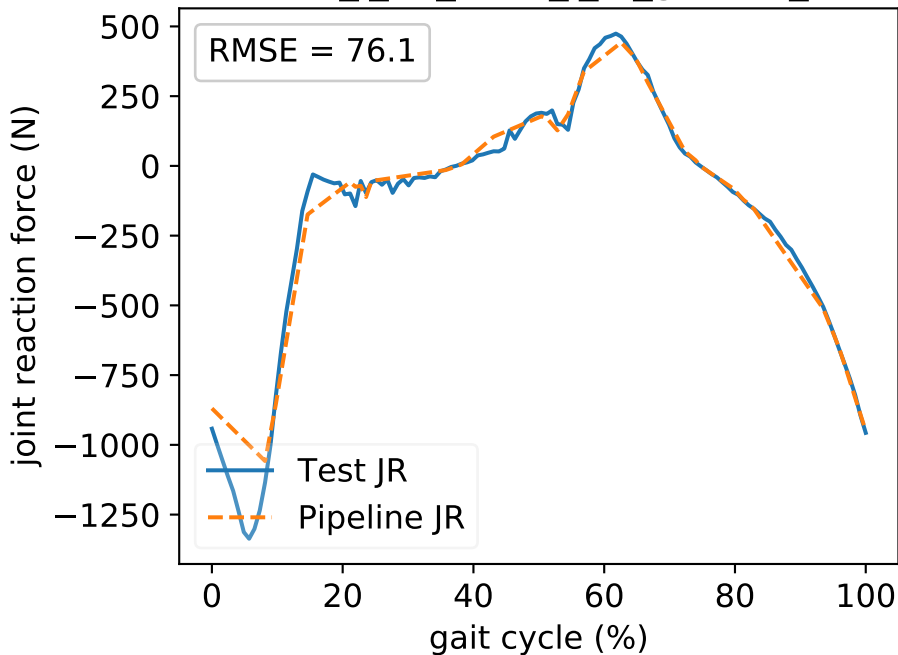
knee_l_on_tibia_l_in_ground_py



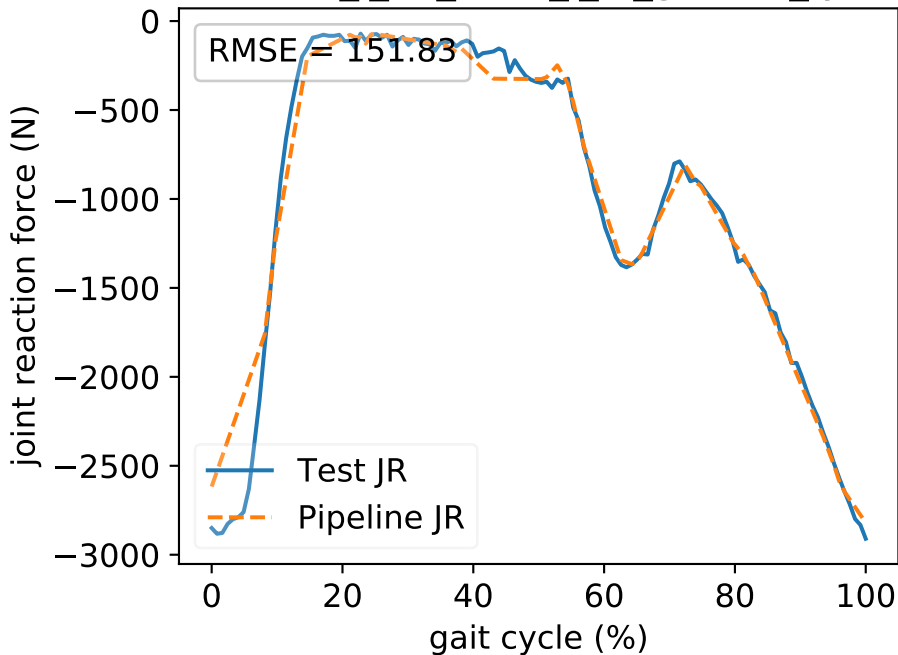
knee_l_on_tibia_l_in_ground_pz



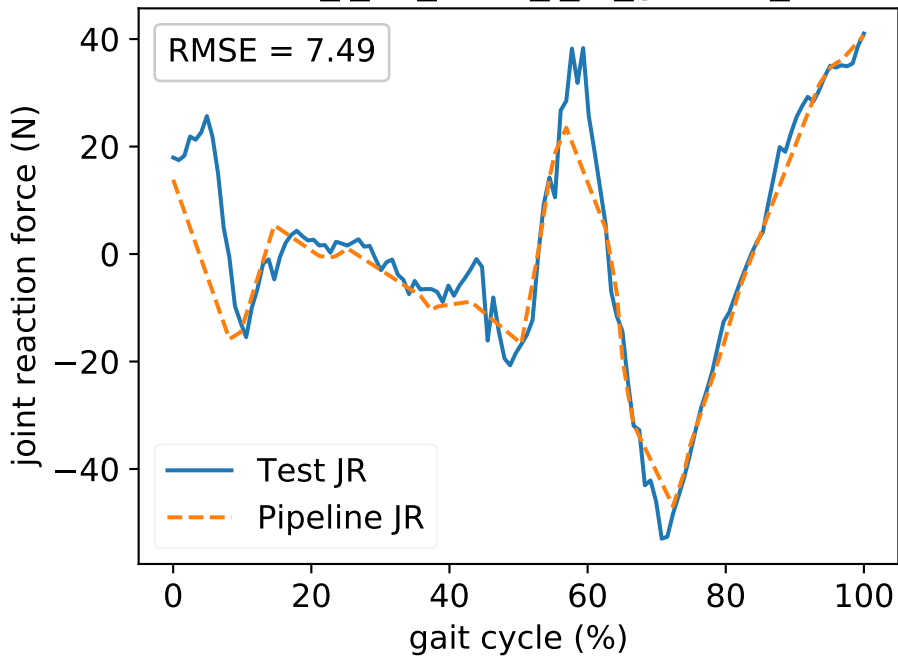
ankle_l_on_talus_l_in_ground_fx



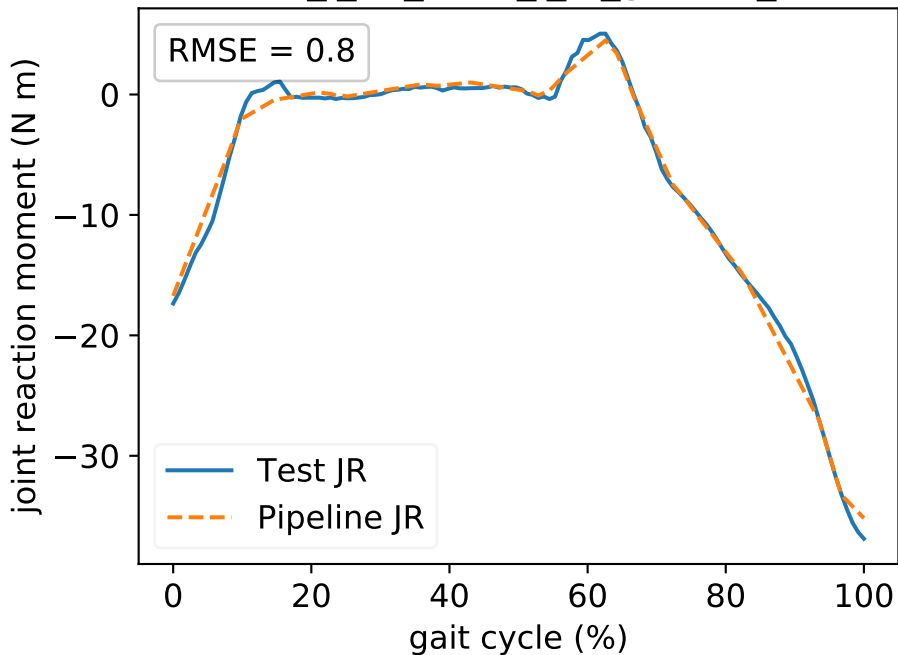
ankle_l_on_talus_l_in_ground_fy



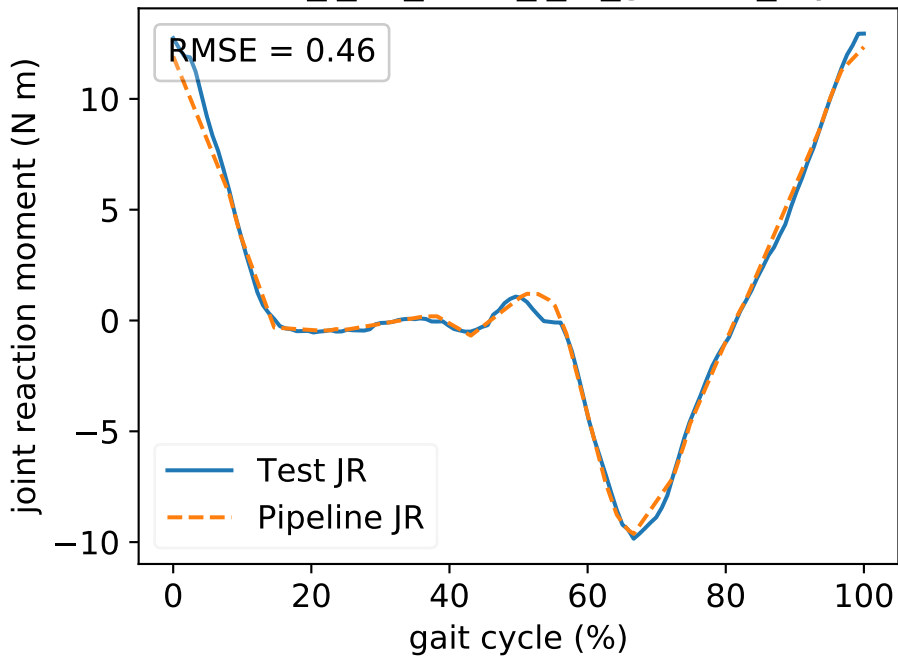
ankle_l_on_talus_l_in_ground_fz



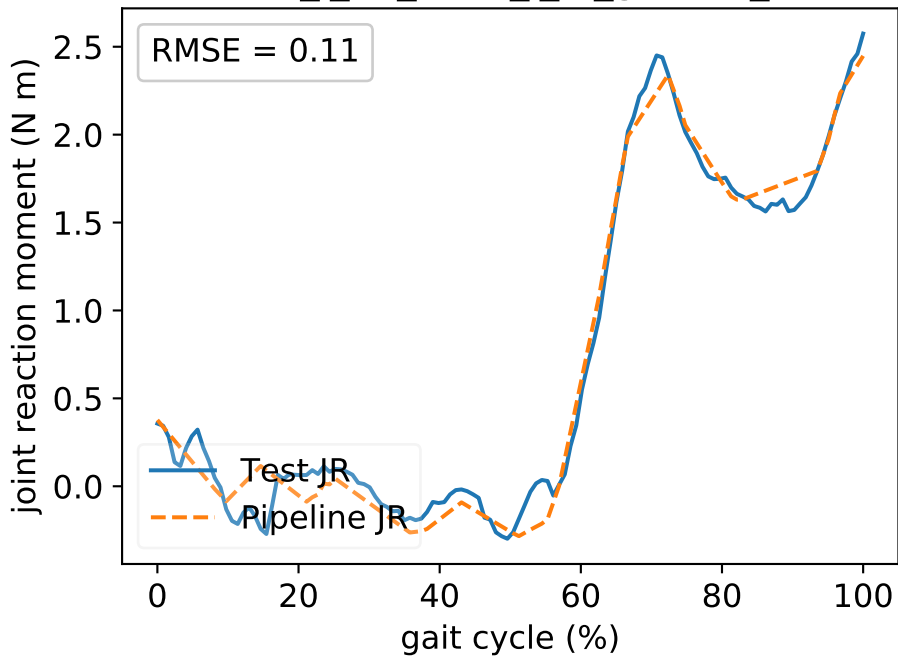
ankle_l_on_talus_l_in_ground_mx



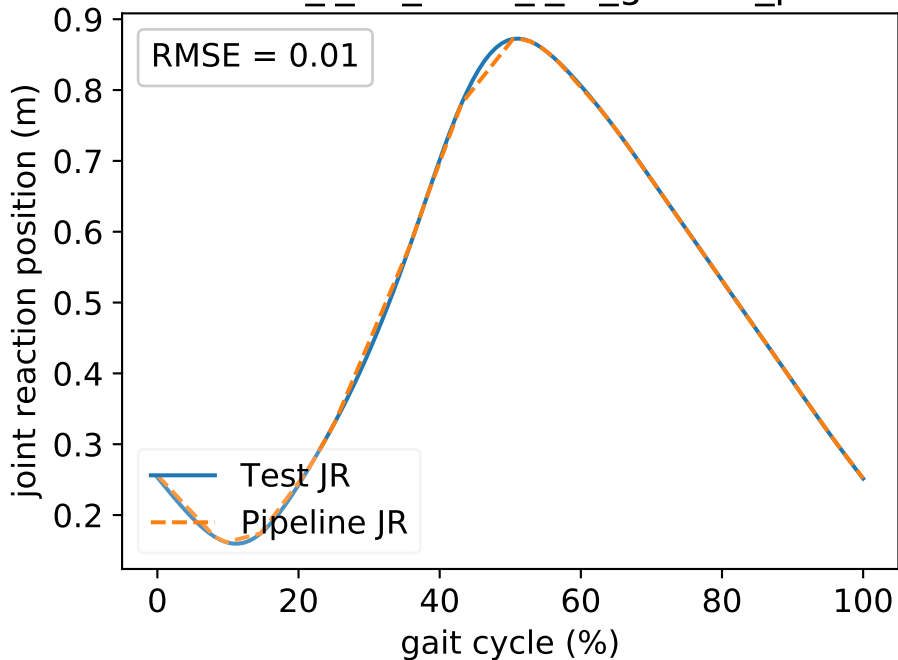
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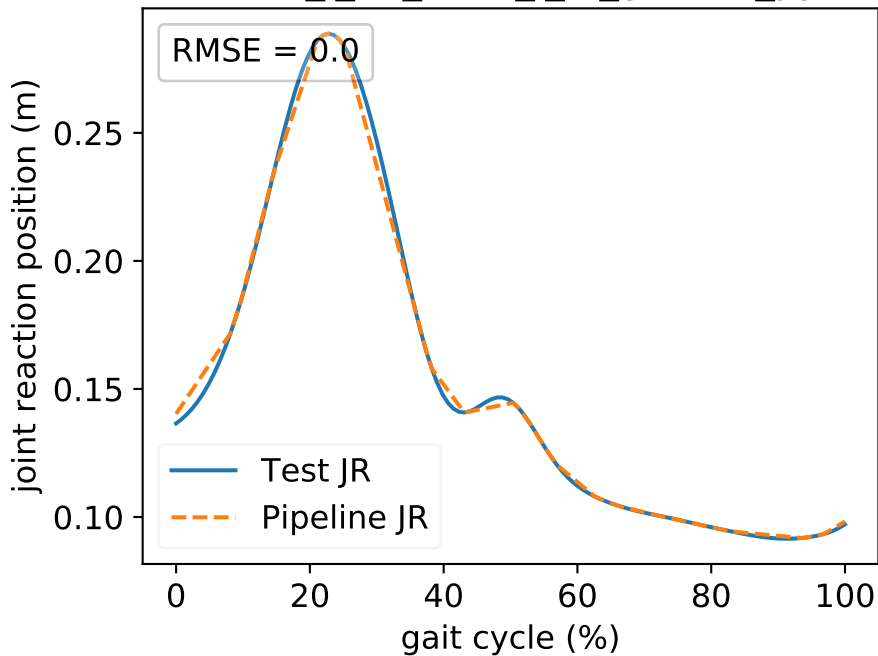
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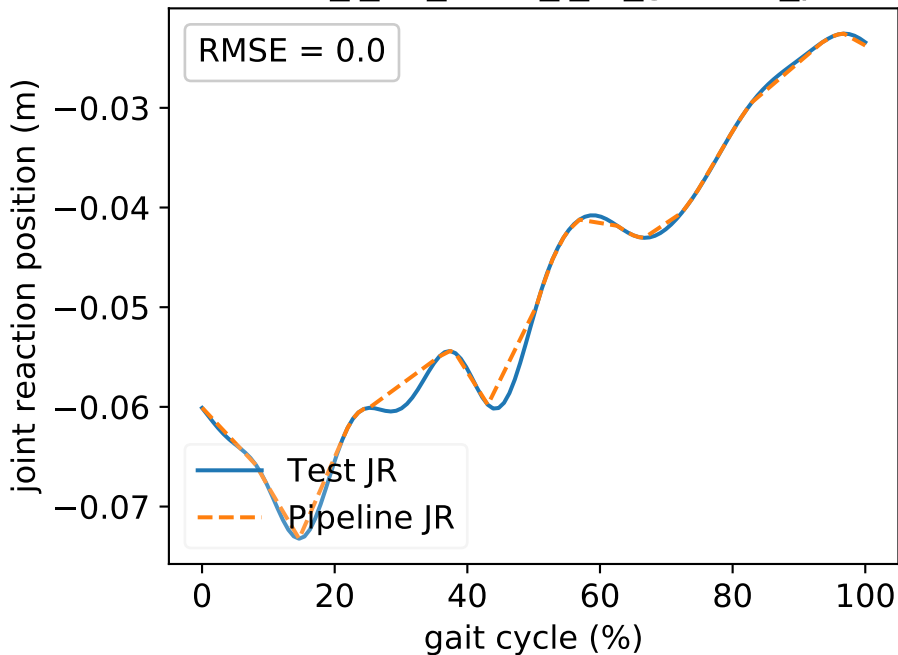
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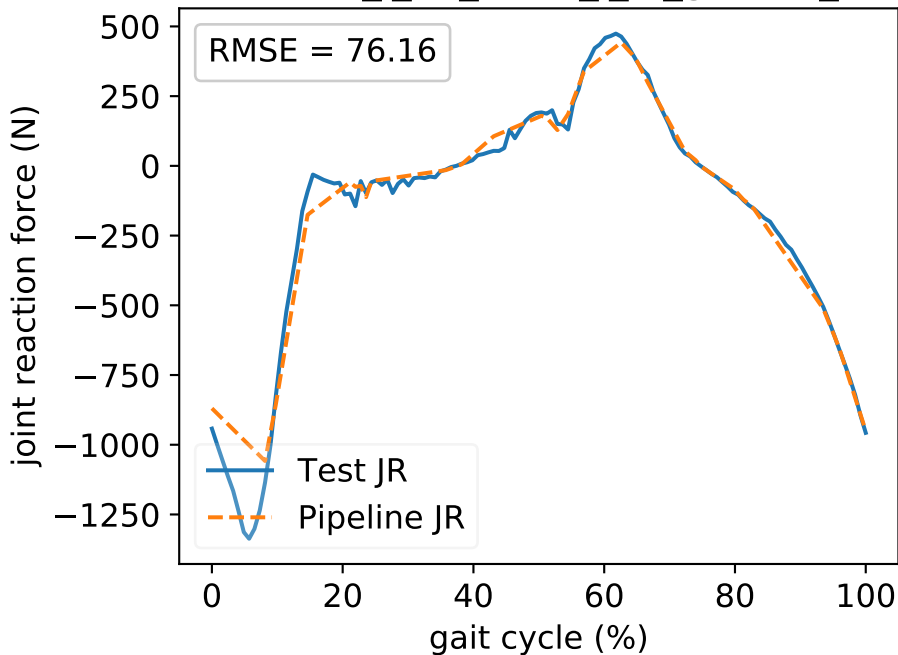
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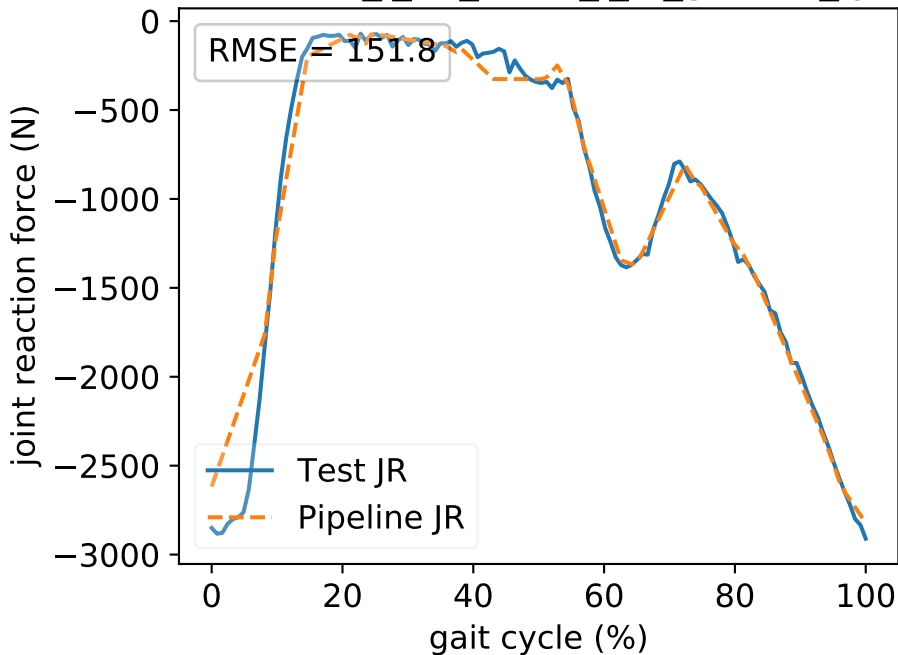
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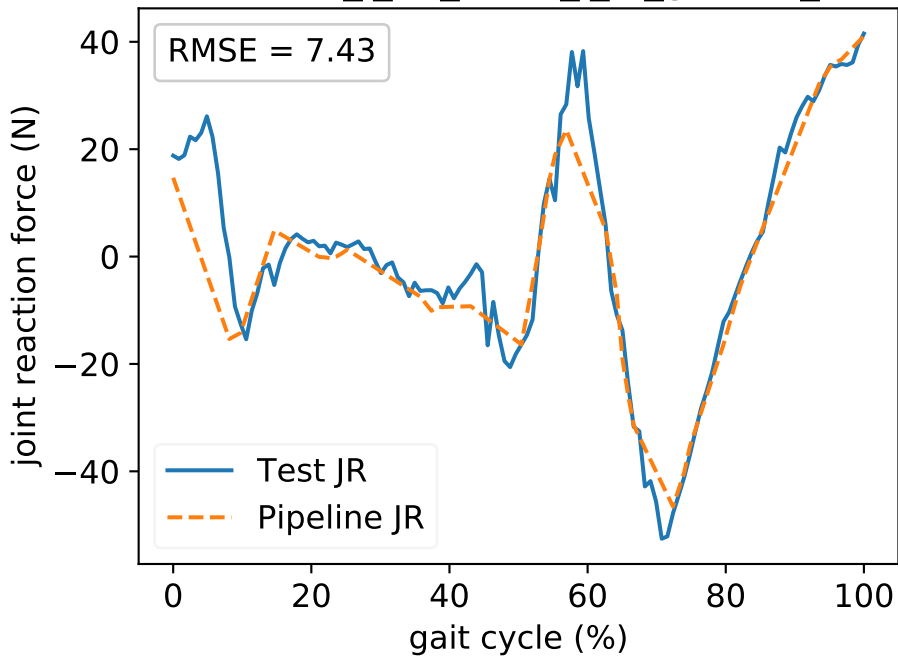
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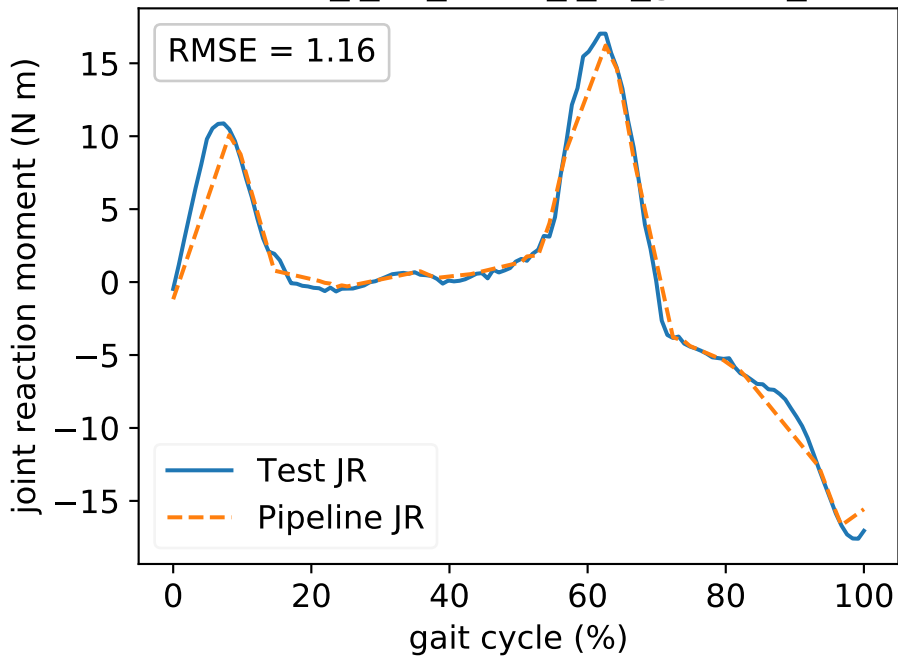
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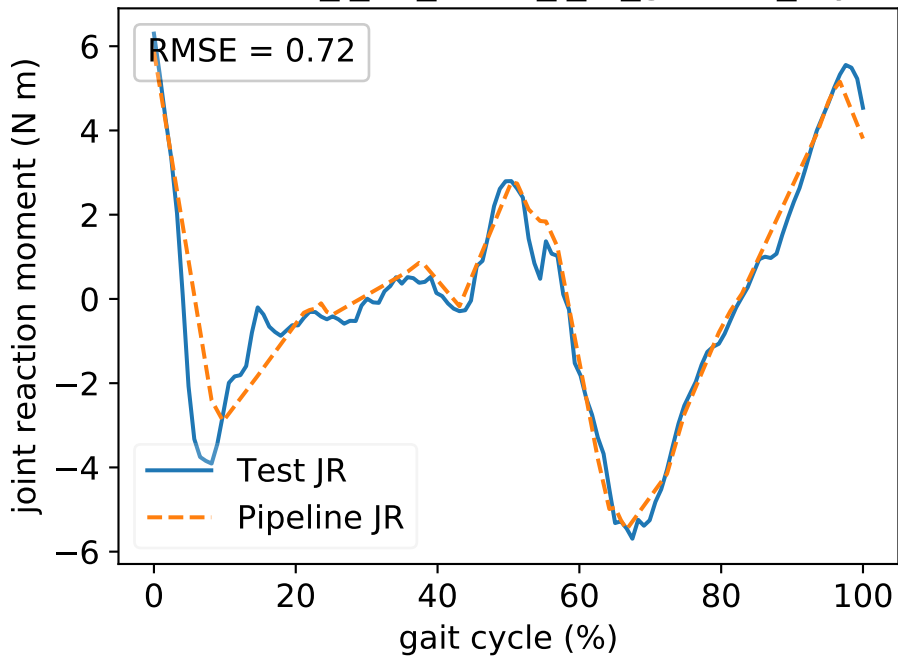
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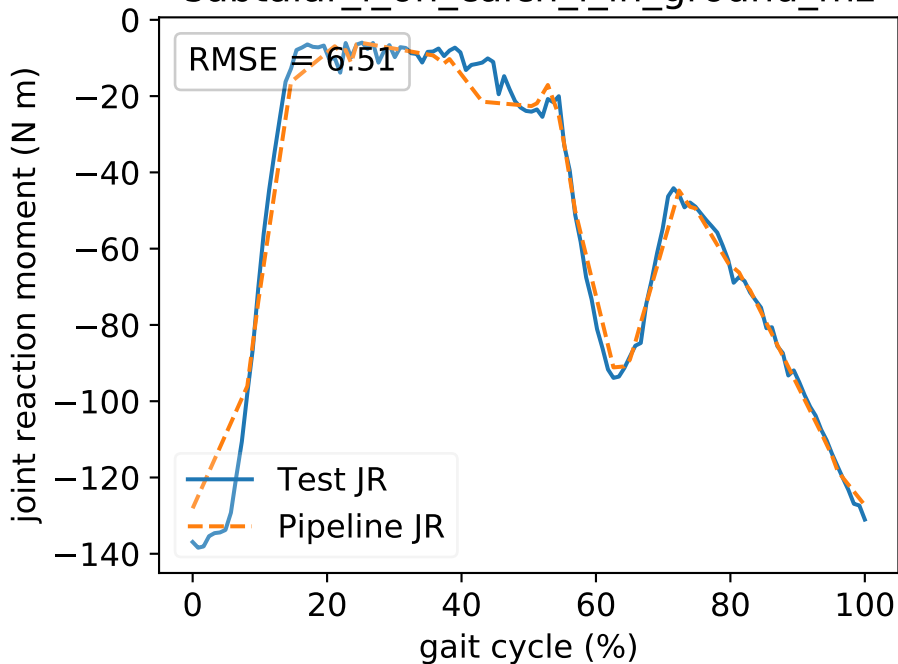
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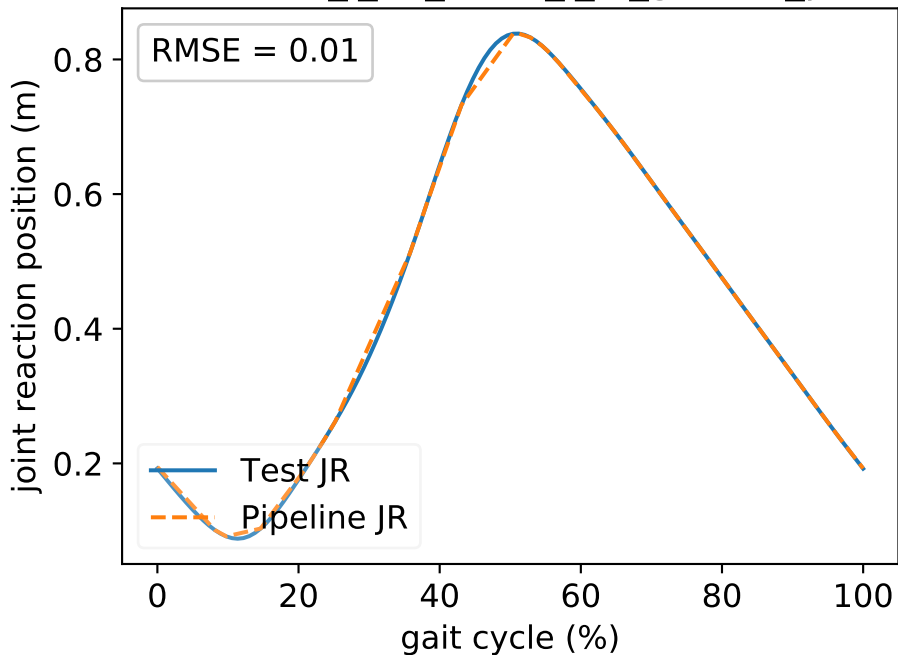
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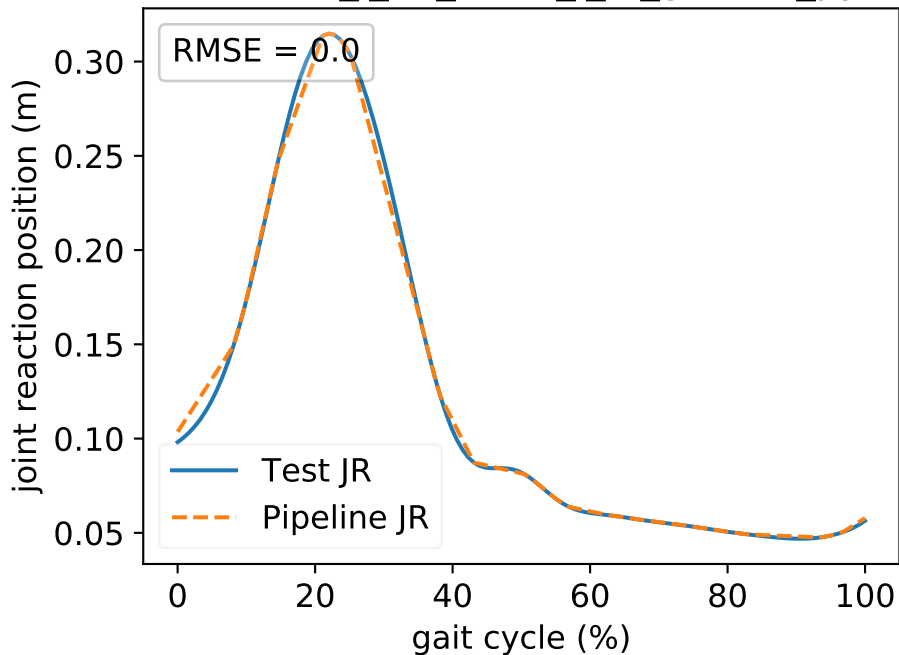
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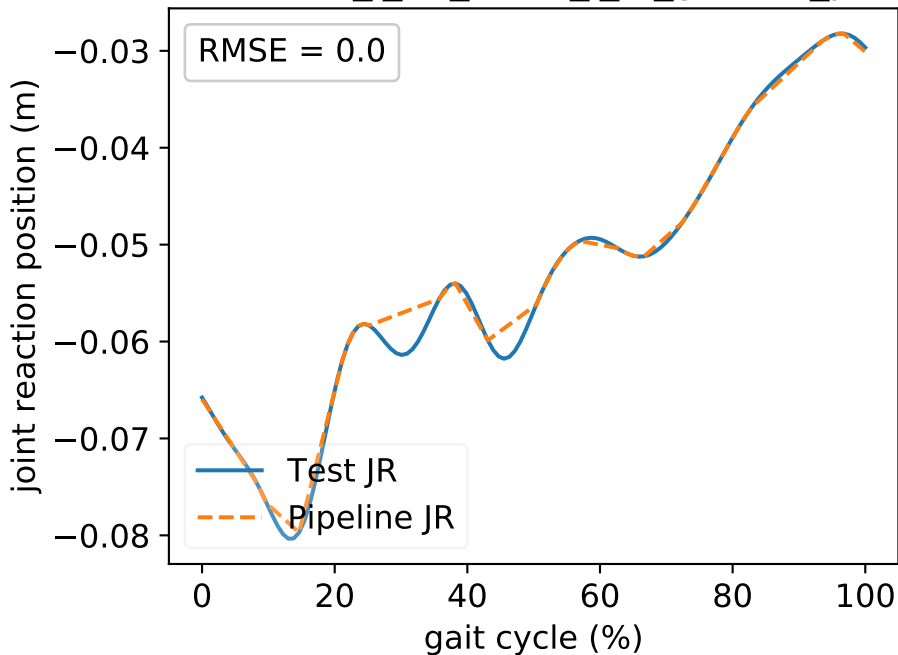
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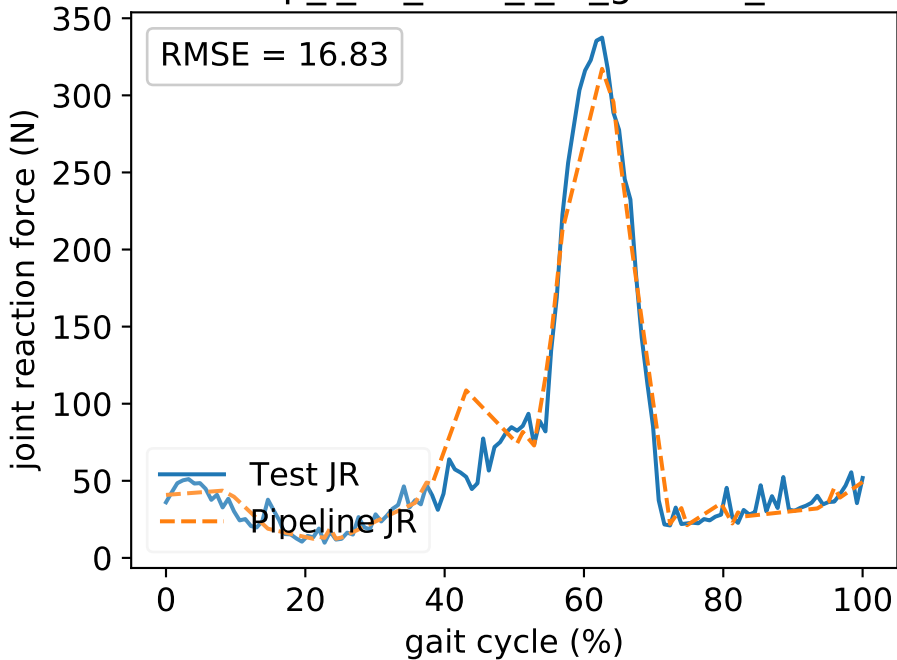
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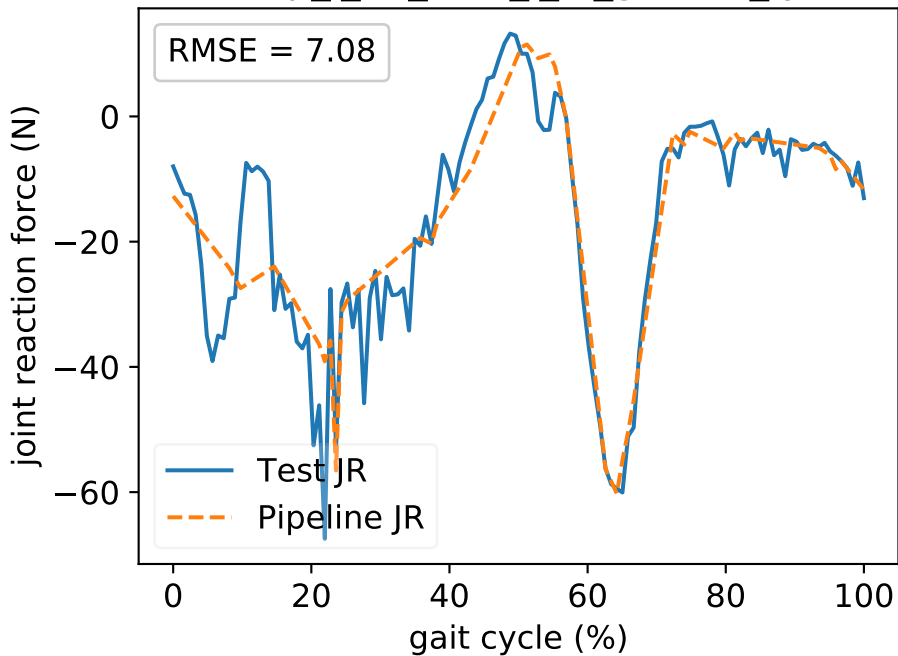
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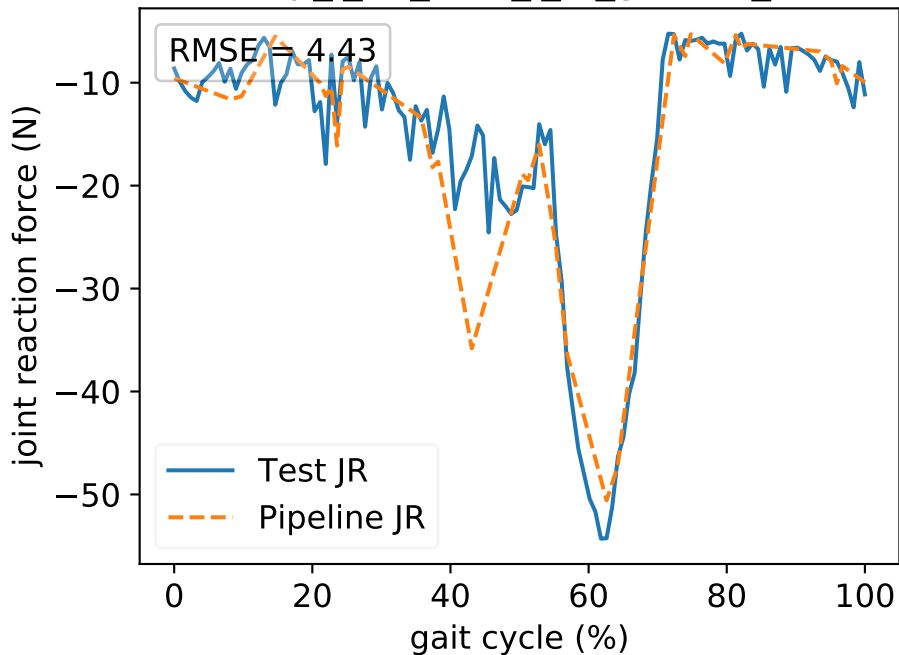
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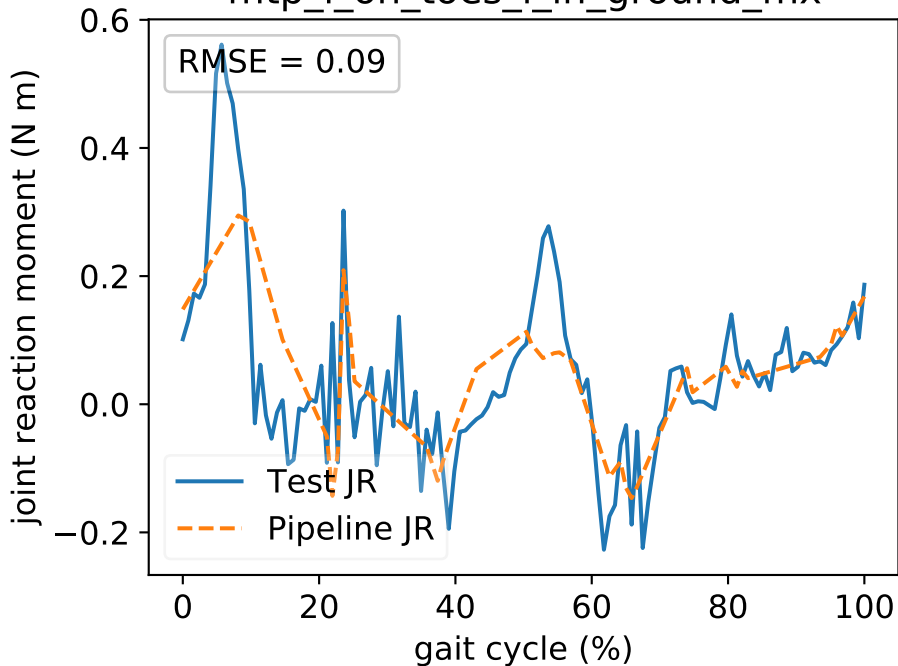
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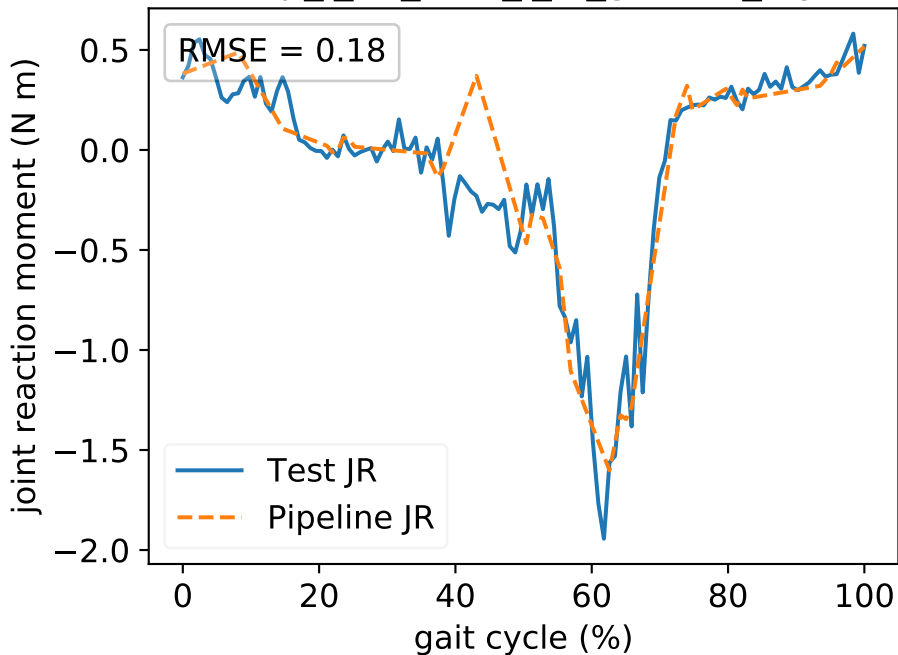
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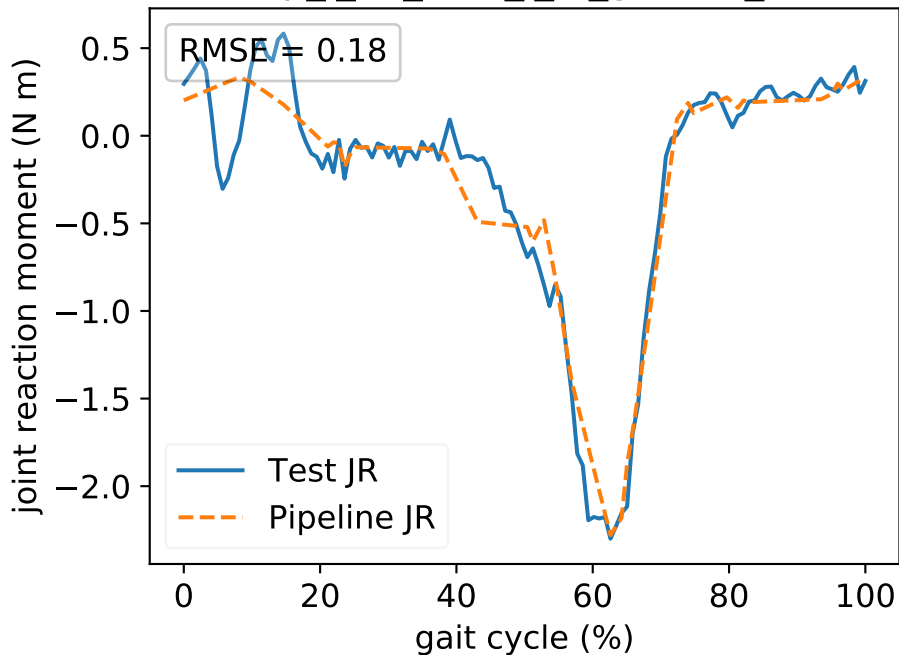
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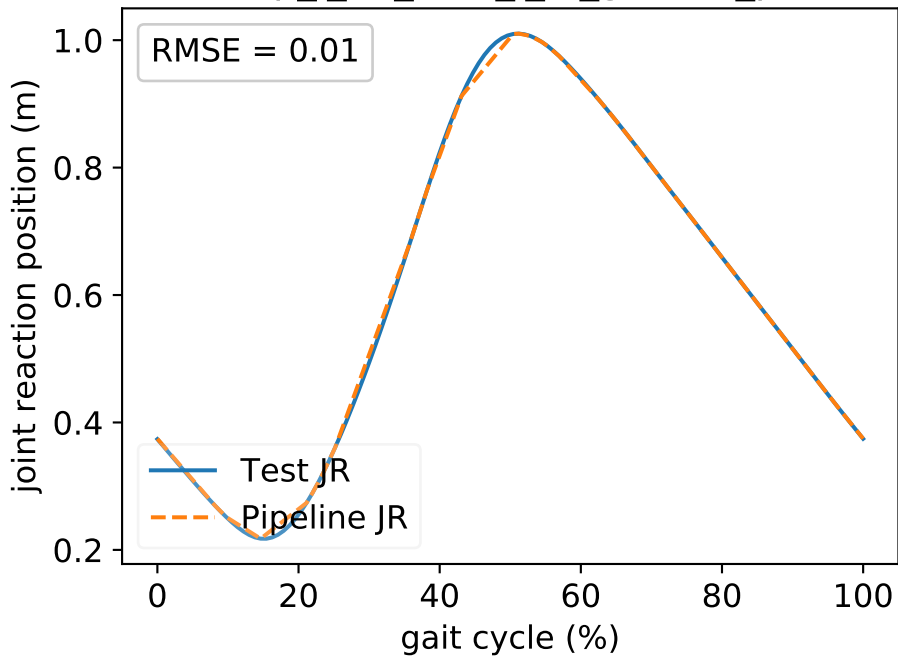
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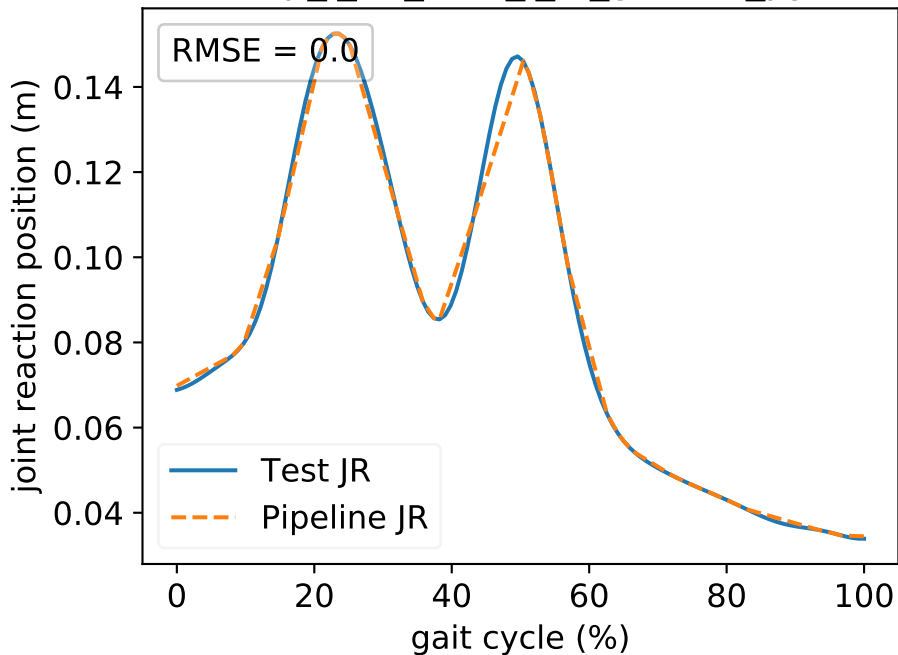
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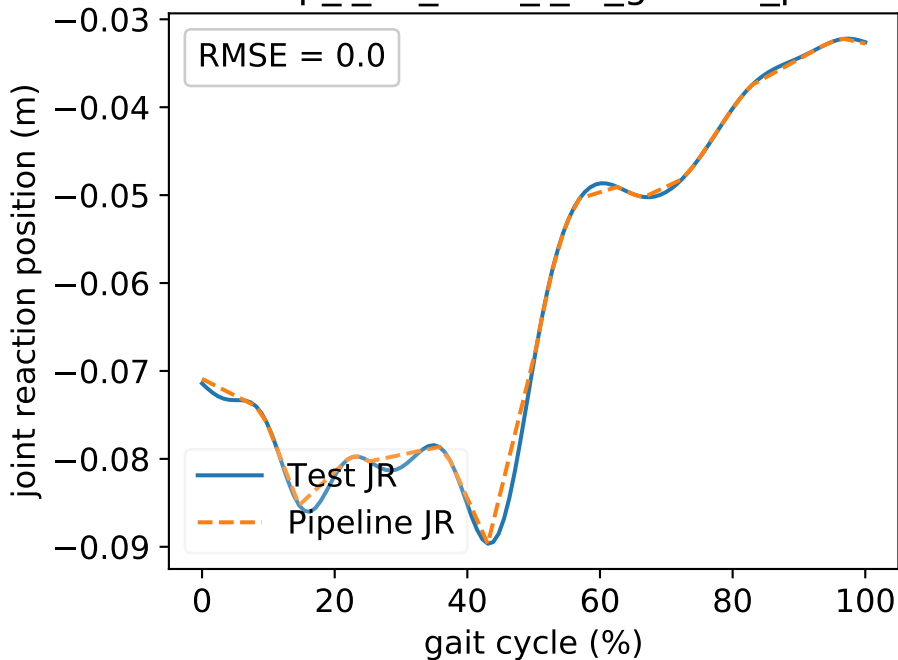
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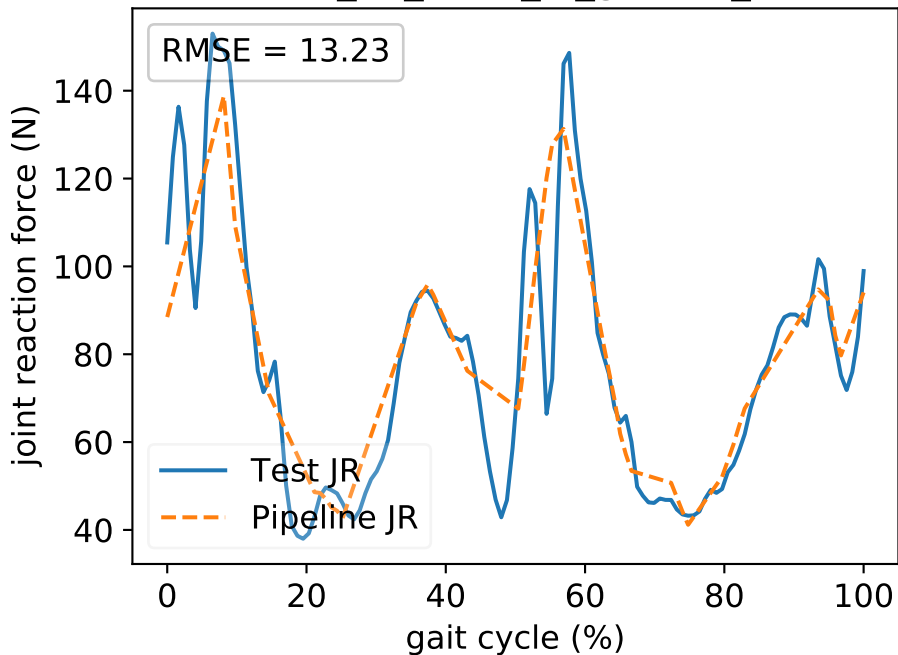
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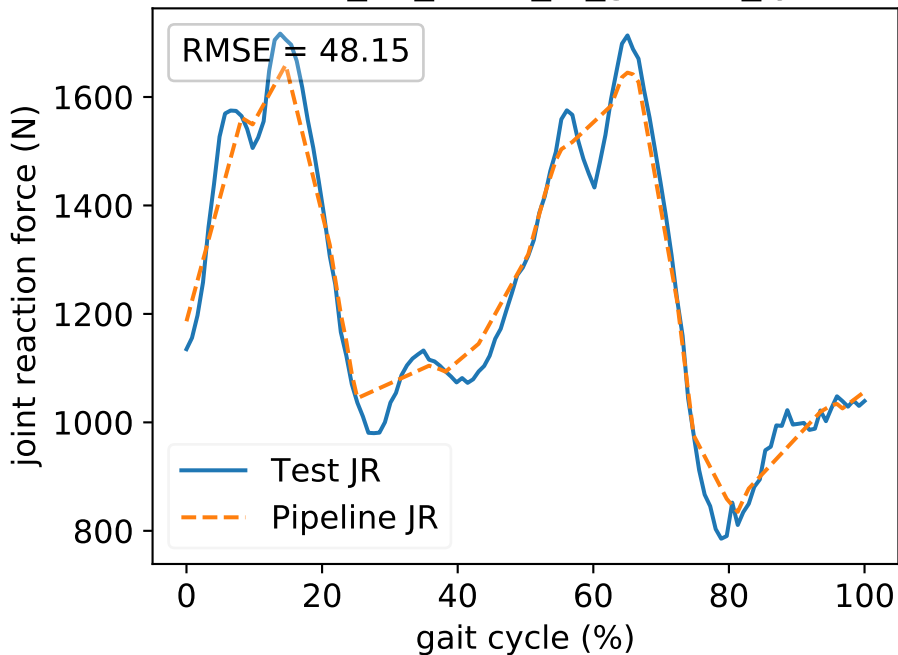
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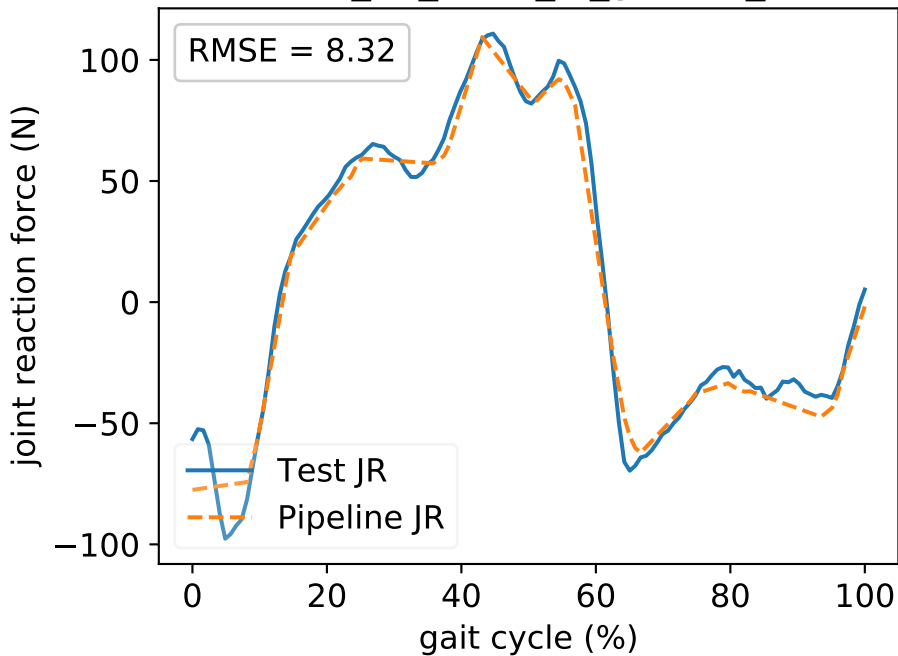
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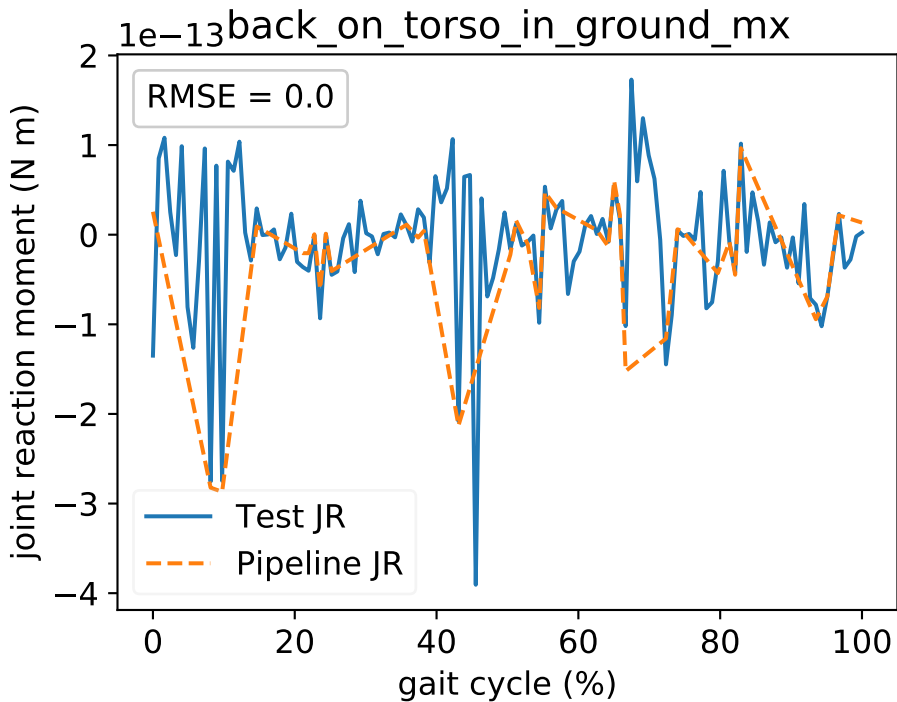


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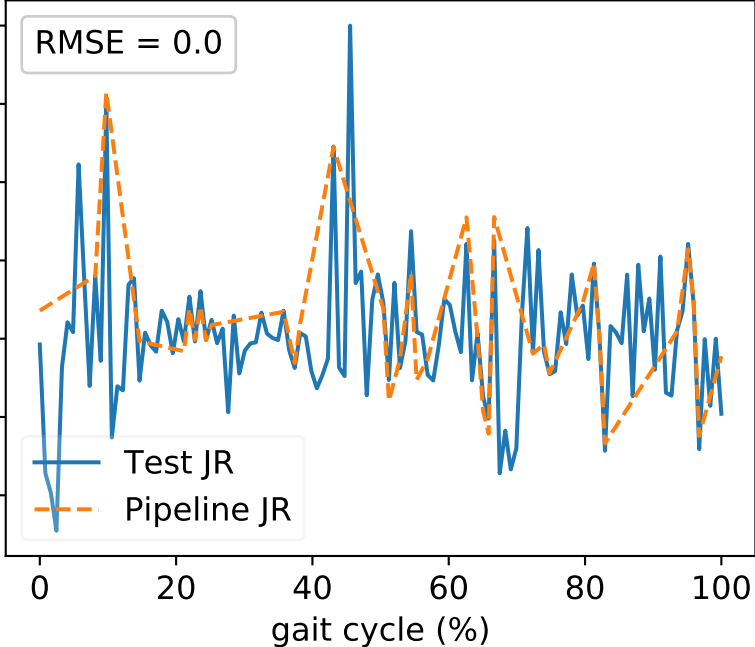


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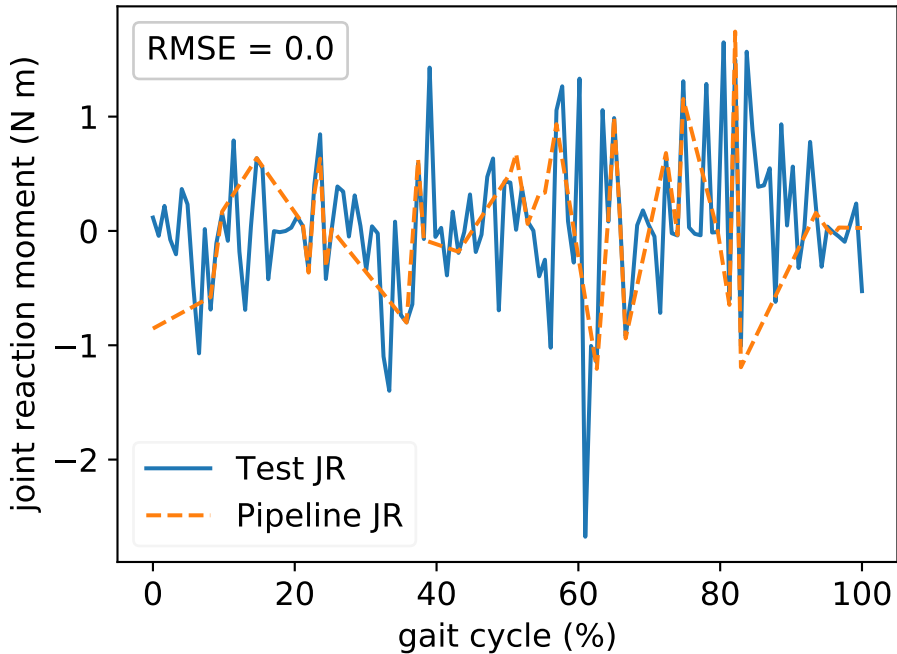




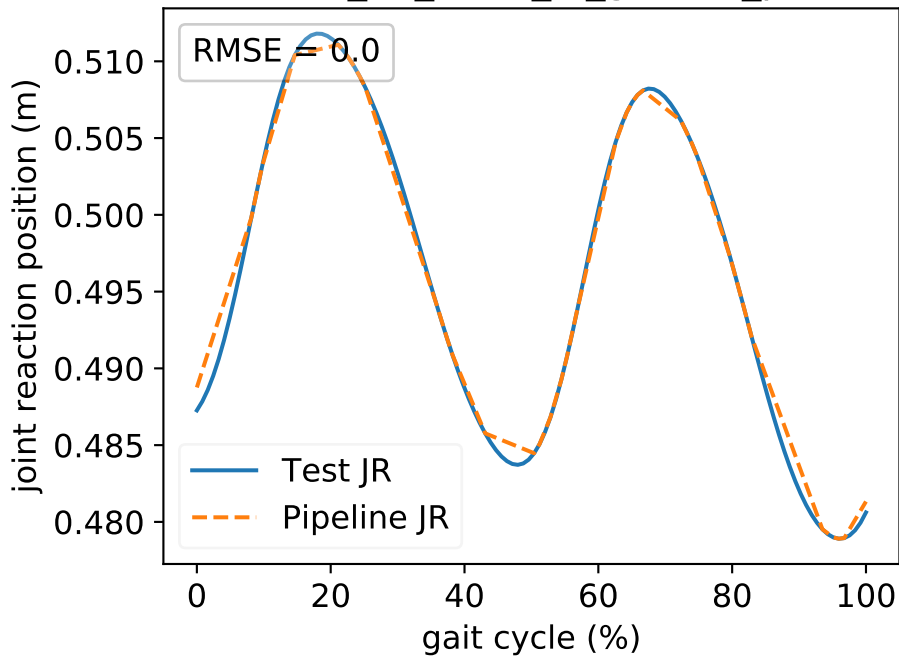
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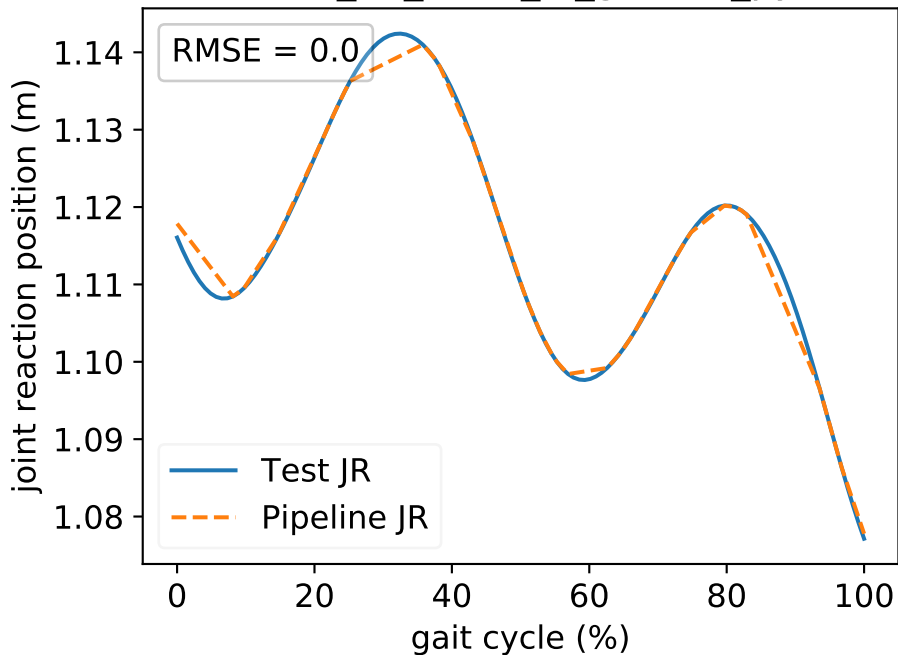
1e-13back_on_torso_in_ground_mz



back_on_torso_in_ground_px



back_on_torso_in_ground_py



back_on_torso_in_ground_pz

