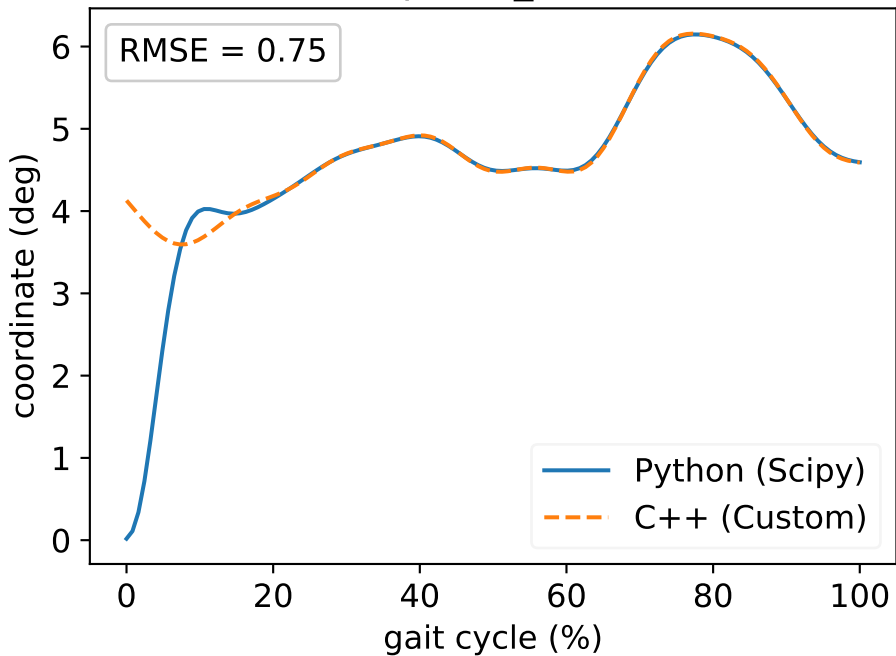
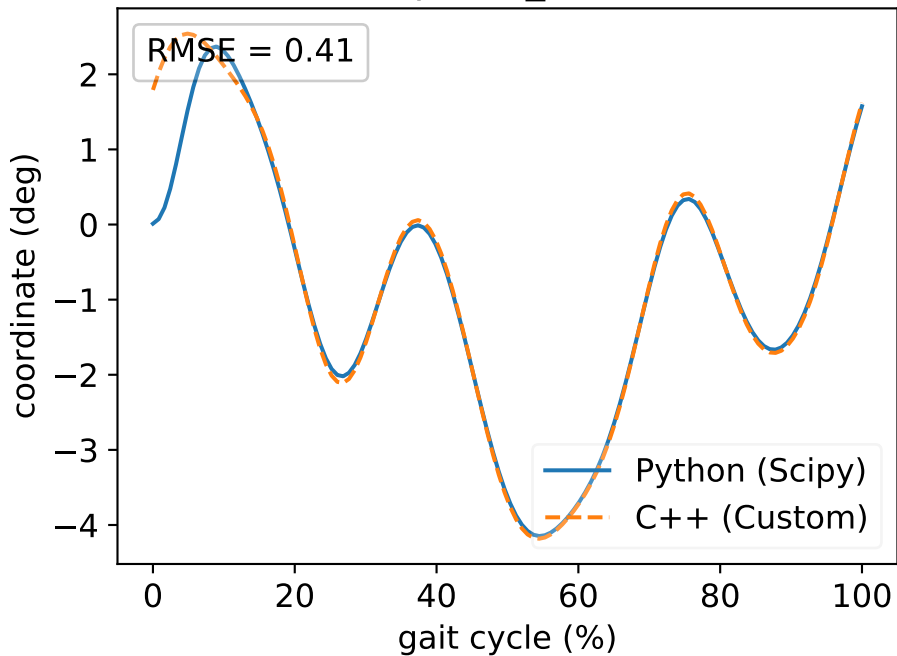


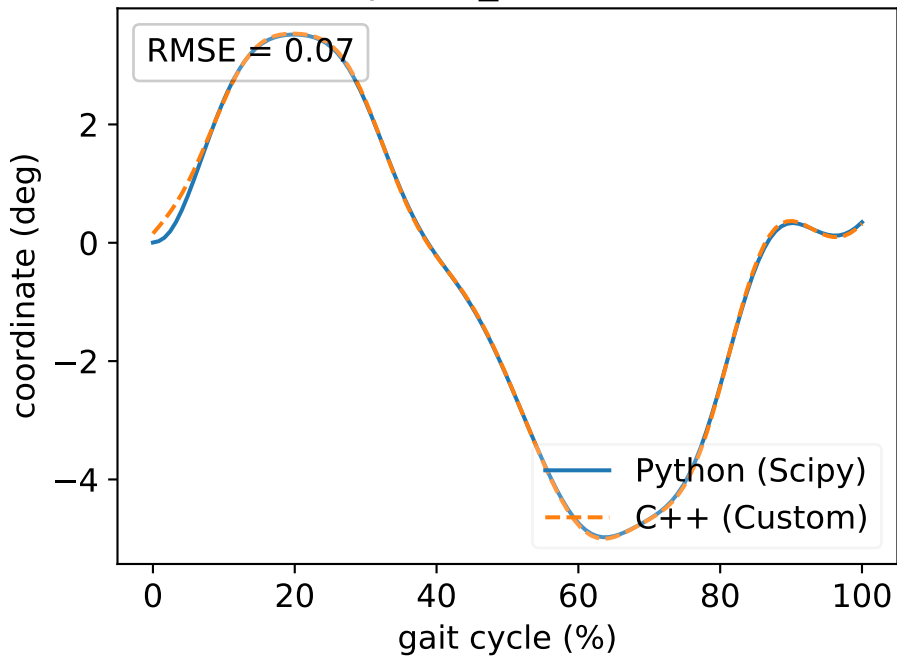
# pelvis\_tilt



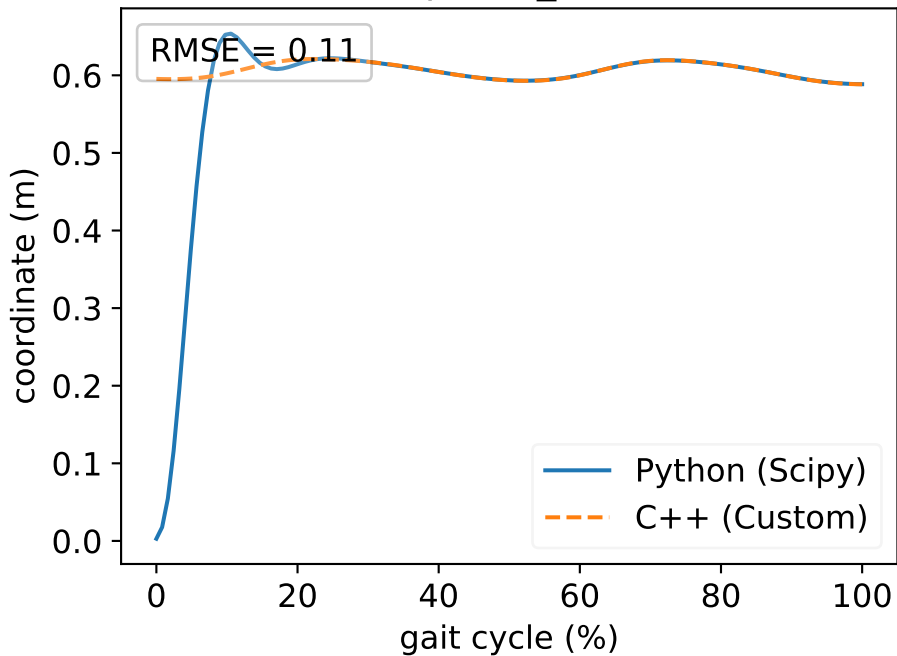
## pelvis\_list



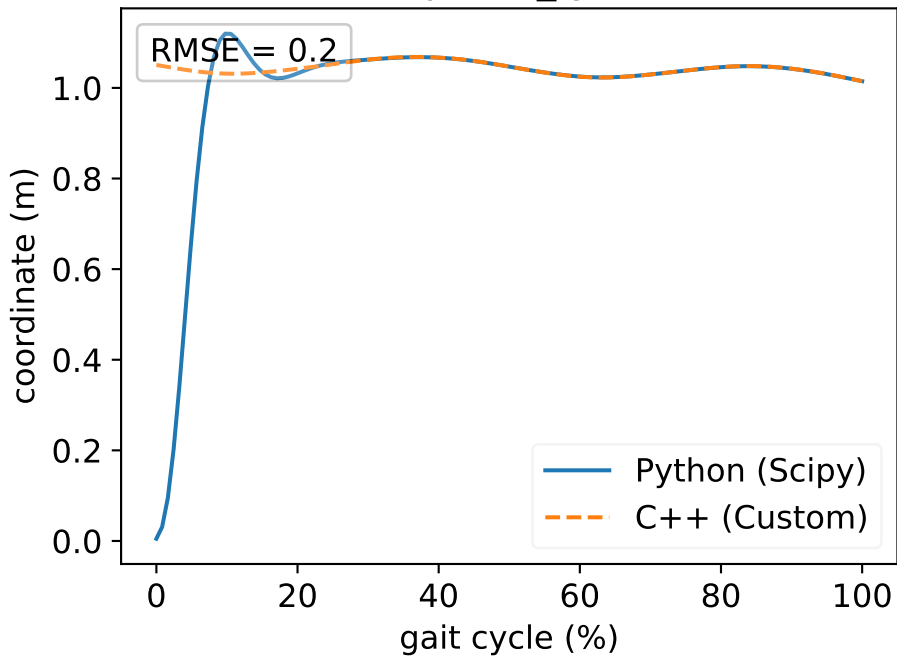
# pelvis\_rotation



## pelvis\_tx



## pelvis\_ty



## pelvis\_tz

RMSE = 0.01

coordinate (m)

0.04

0.02

0.00

-0.02

0

20

40

60

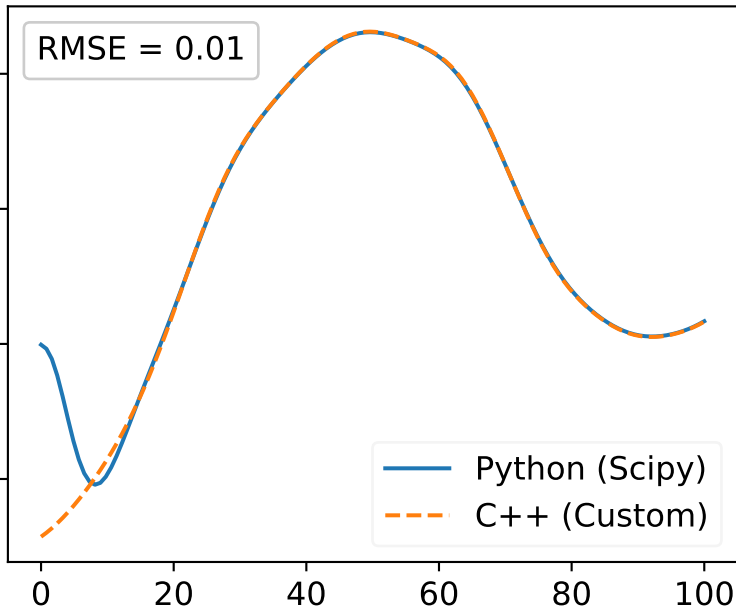
80

100

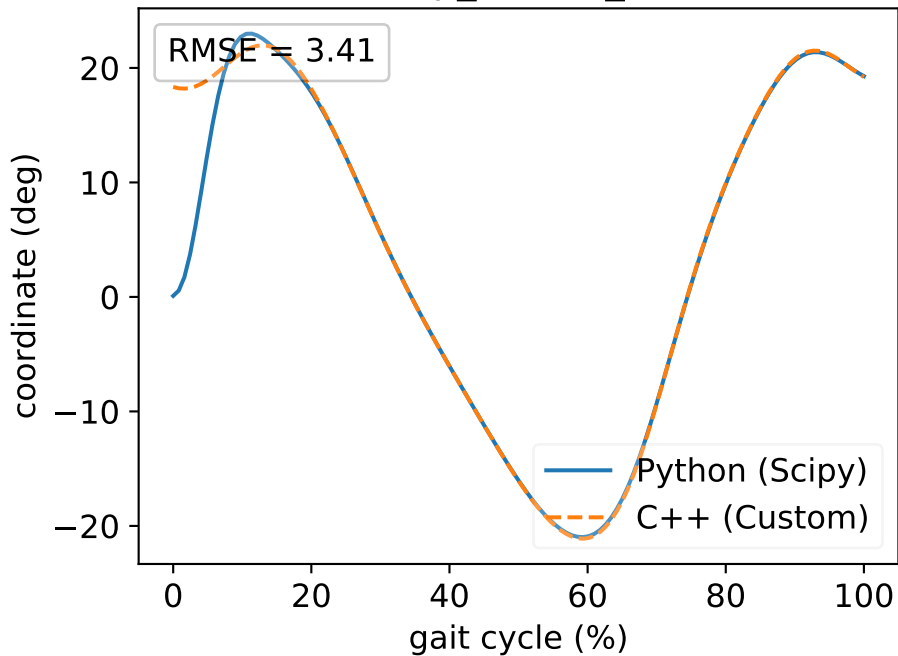
gait cycle (%)

Python (Scipy)

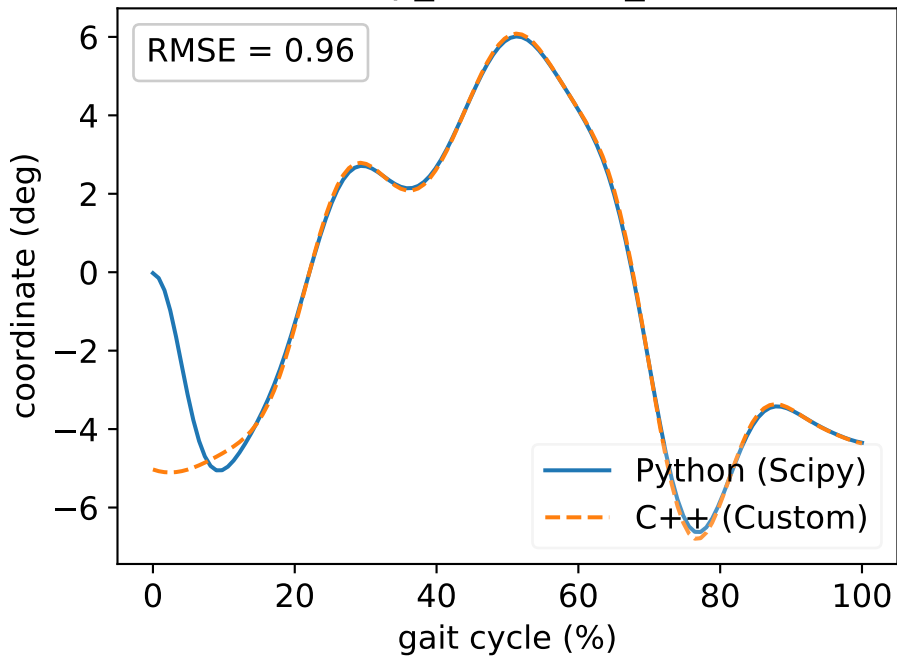
C++ (Custom)



## hip\_flexion\_r

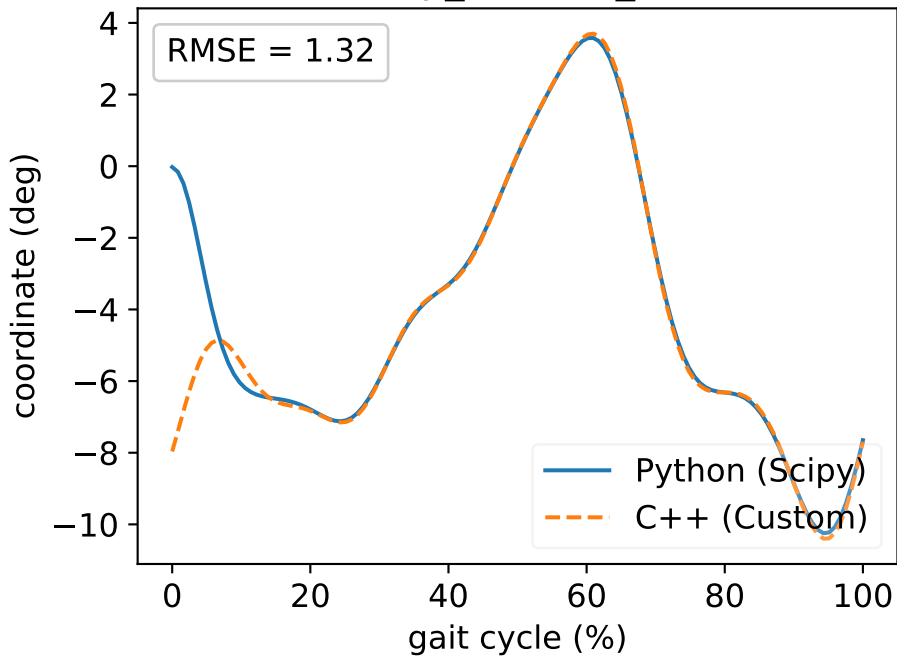


# hip\_adduction\_r

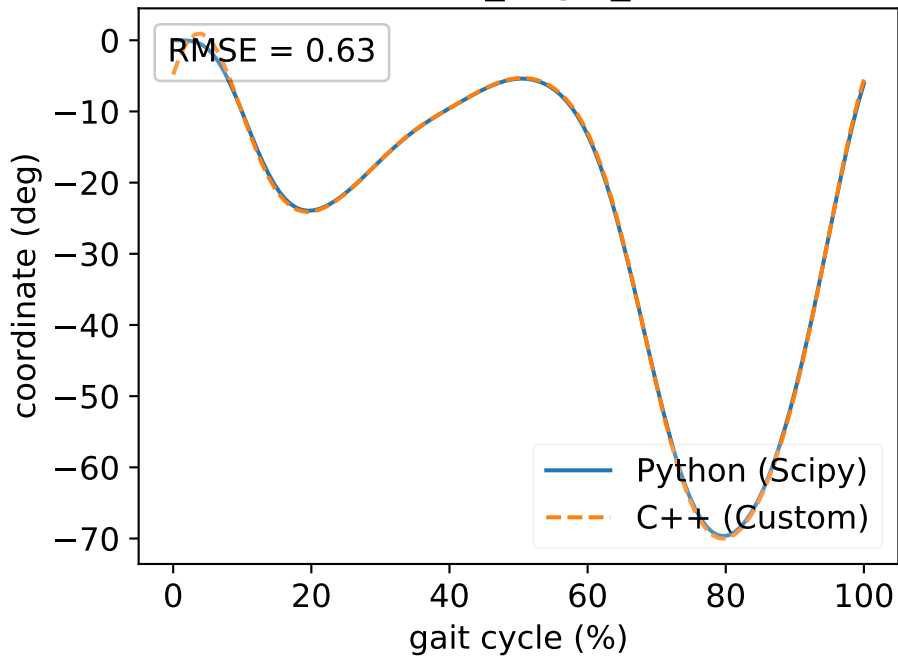




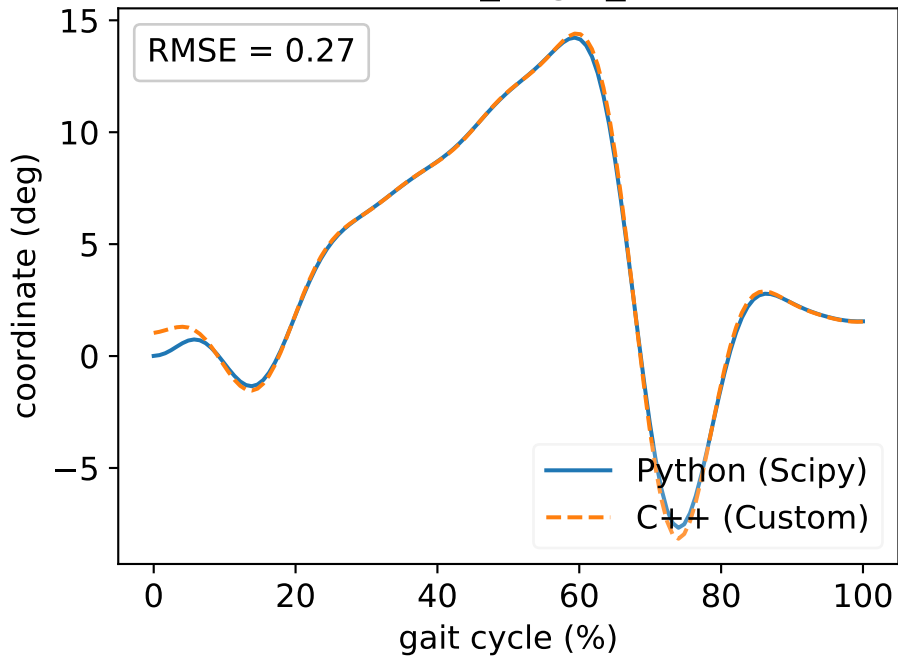
# hip\_rotation\_r



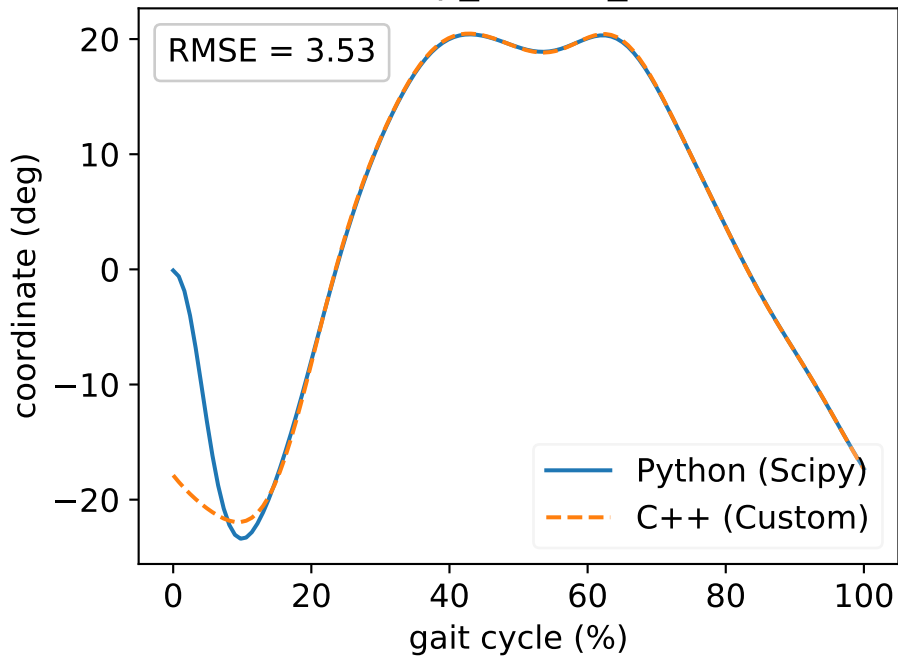
# knee\_angle\_r



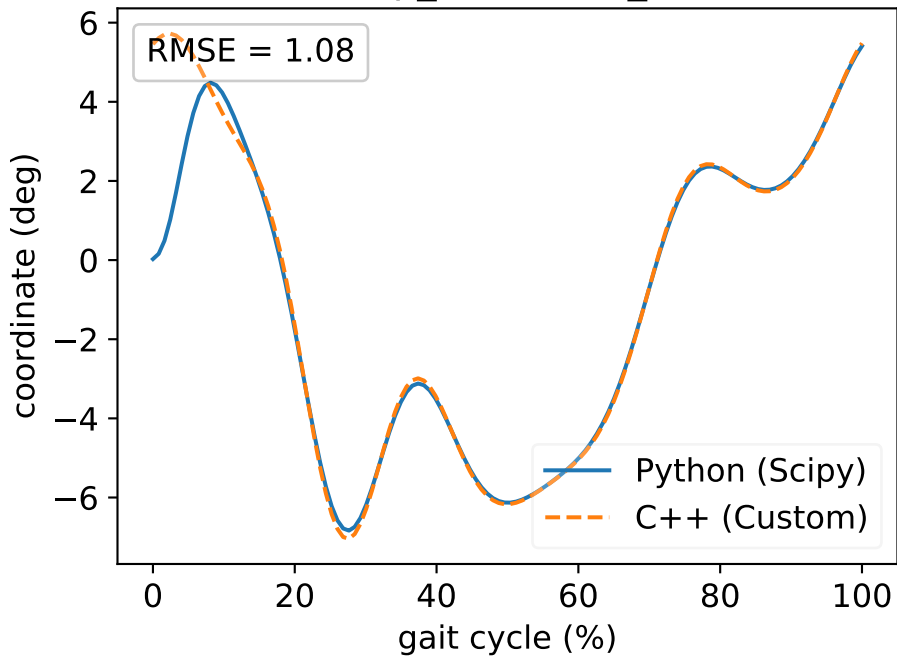
# ankle\_angle\_r



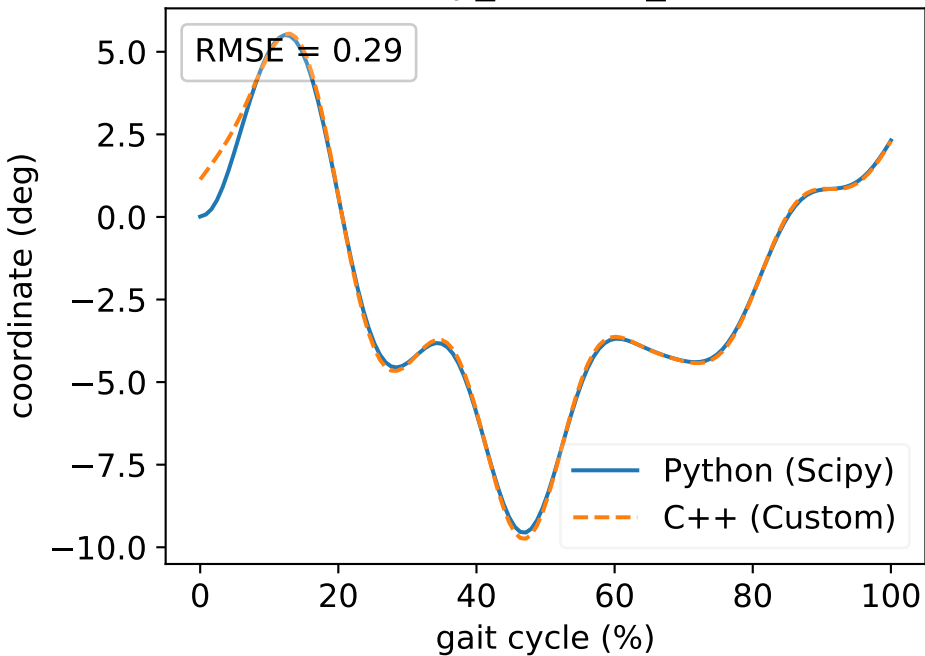
## hip\_flexion\_l



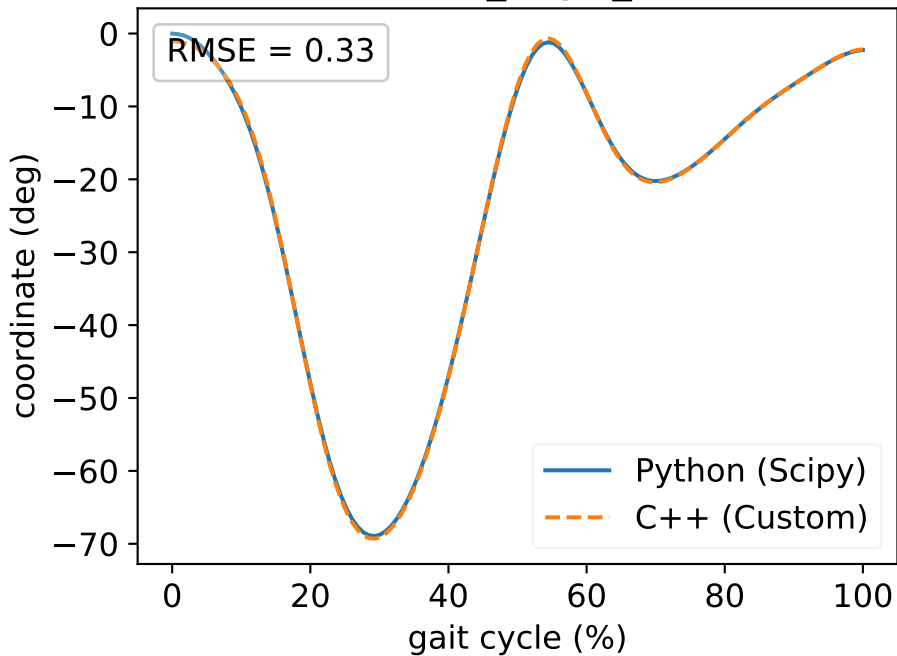
# hip\_adduction\_l



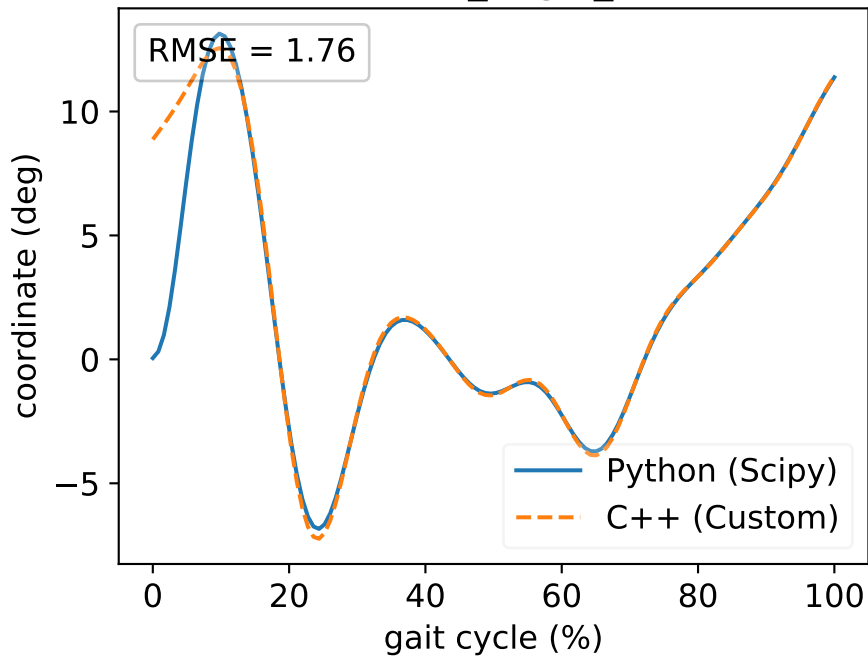
# hip\_rotation\_l



# knee\_angle\_l

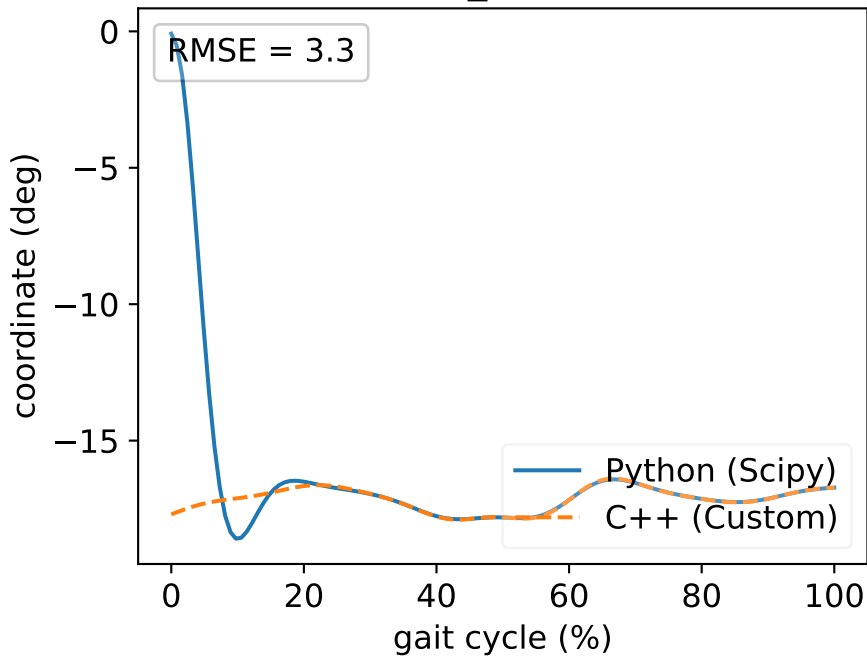


# ankle\_angle\_l

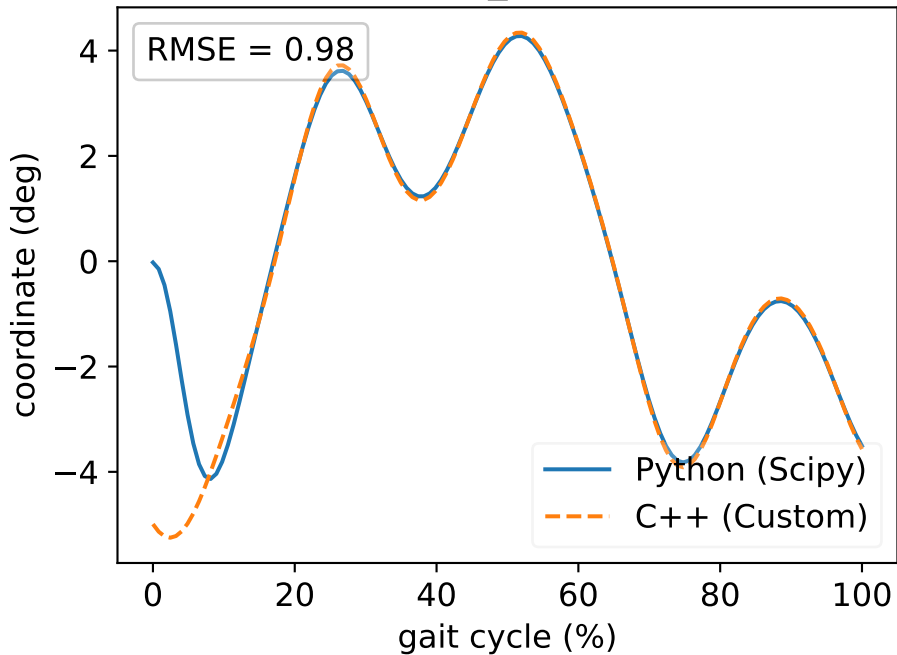




## lumbar\_extension



## lumbar\_bending



# lumbar\_rotation

