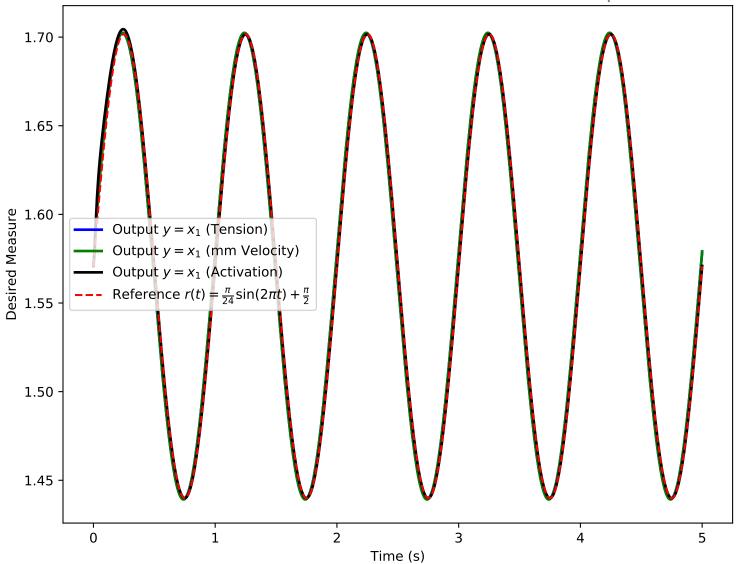
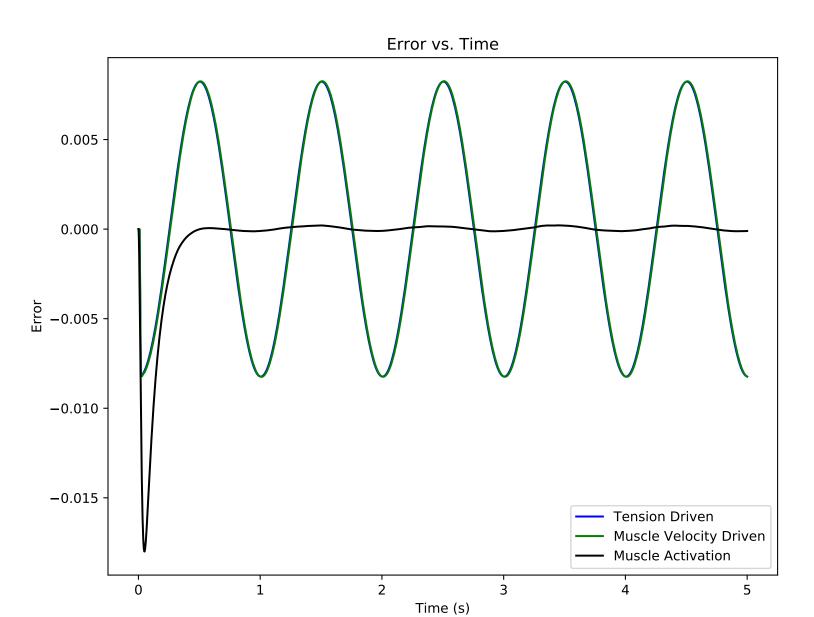
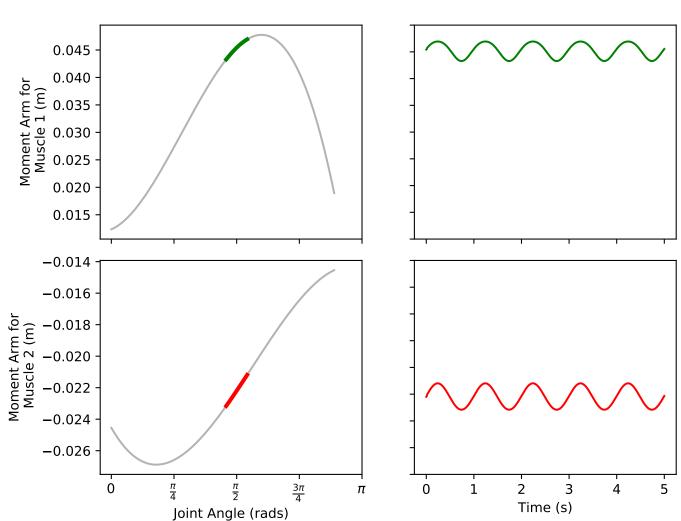
### Underdetermined Forced-Pendulum Example





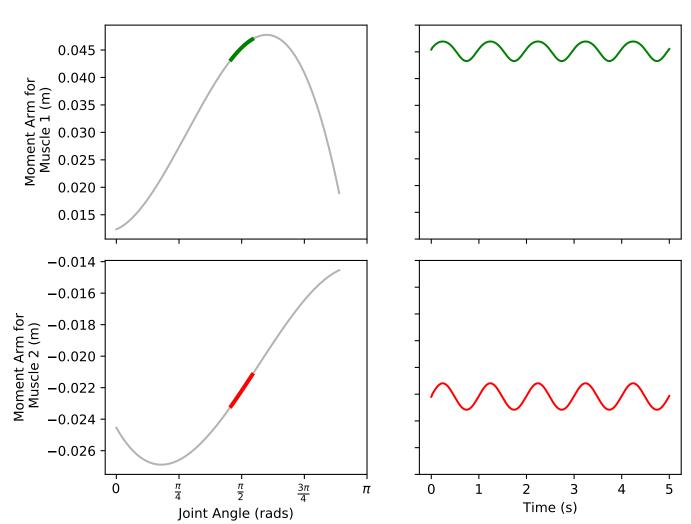
Moment arm equations (Tendon Tension Driven)

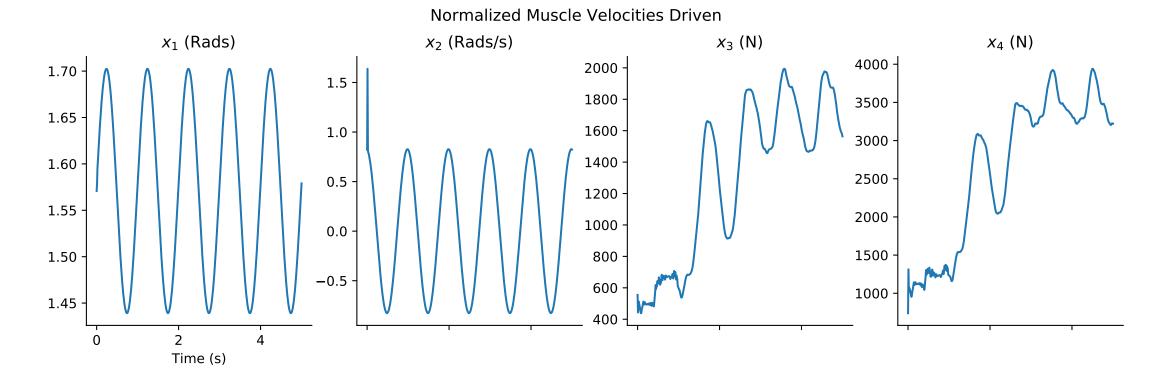


**Tendon Tension Driven**  $x_1$  (Rads)  $x_2$  (Rads/s) 1.70 1.5 1.65 1.0 1.60 0.5 1.55 0.0 1.50 -0.5 1.45 Time (s)

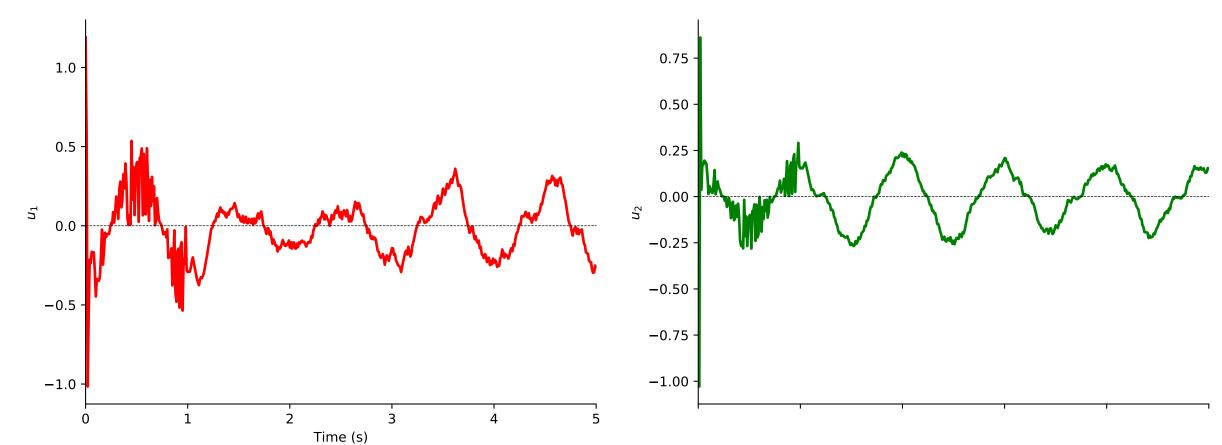
Tendon Tension vs. Time 500 -1000 200 Time (s)

# Moment arm equations (Normalized Muscle Velocities Driven)

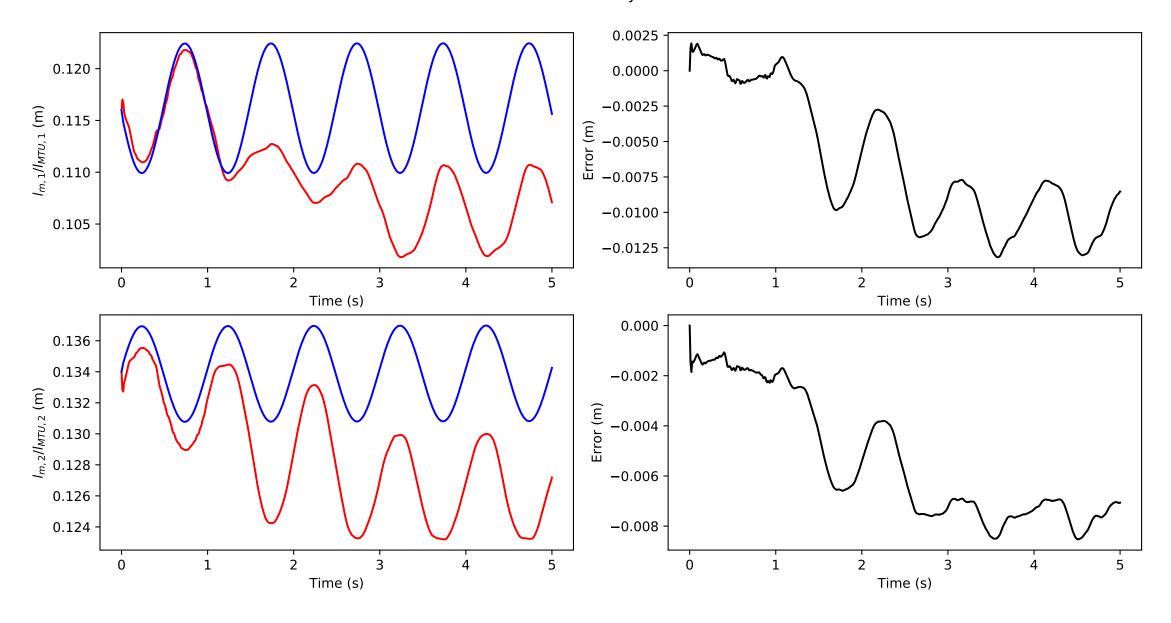




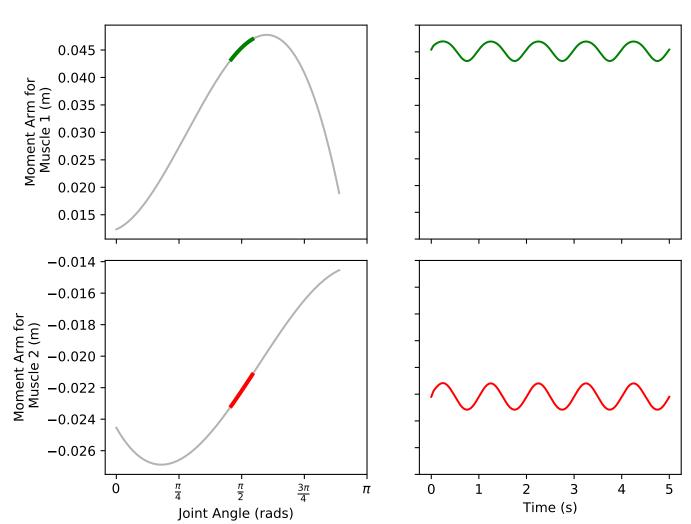
Normalized Muscle Velocities vs. Time

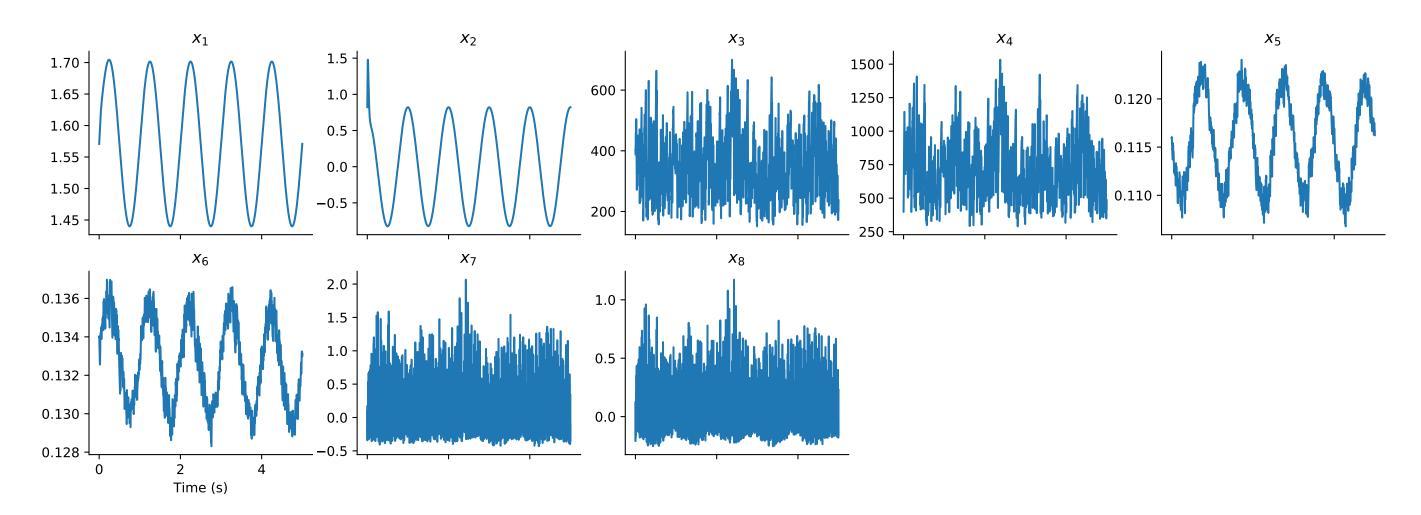


#### Muscle vs. Musculotendon Lengths Muscle Velocity Driven

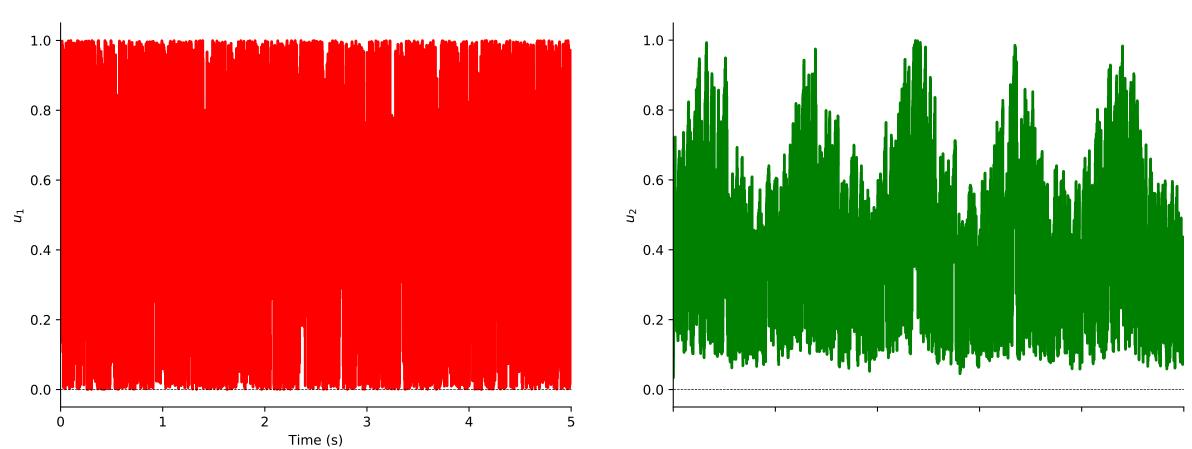


# Moment arm equations (Muscle Activations Driven)





Muscle Activations vs. Time



### Muscle vs. Musculotendon Lengths Muscle Activation Driven

