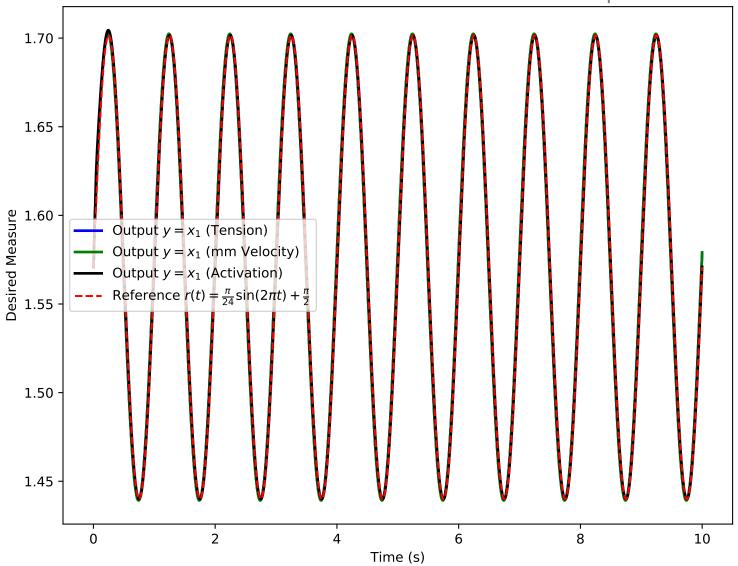
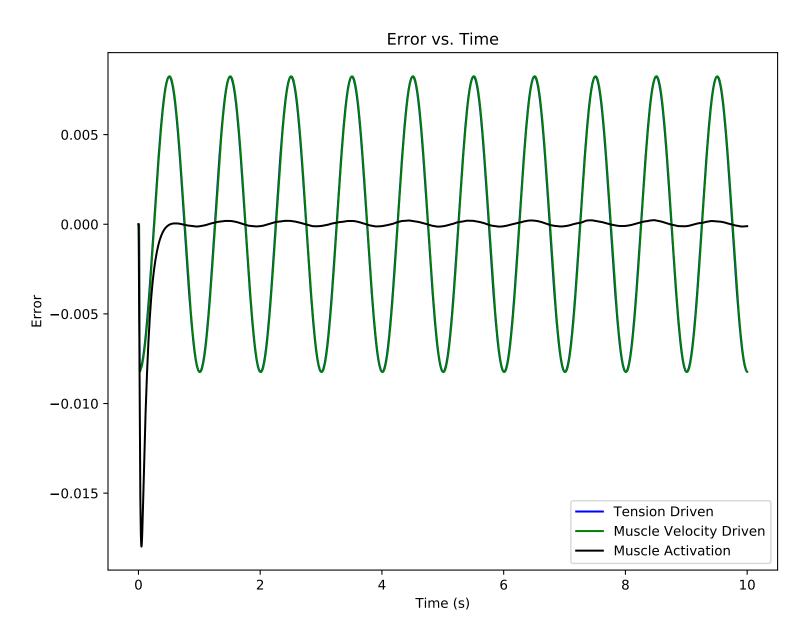
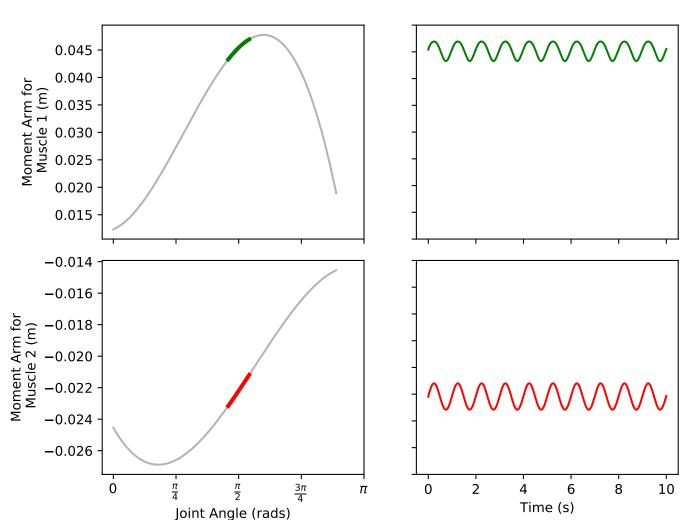
Underdetermined Forced-Pendulum Example

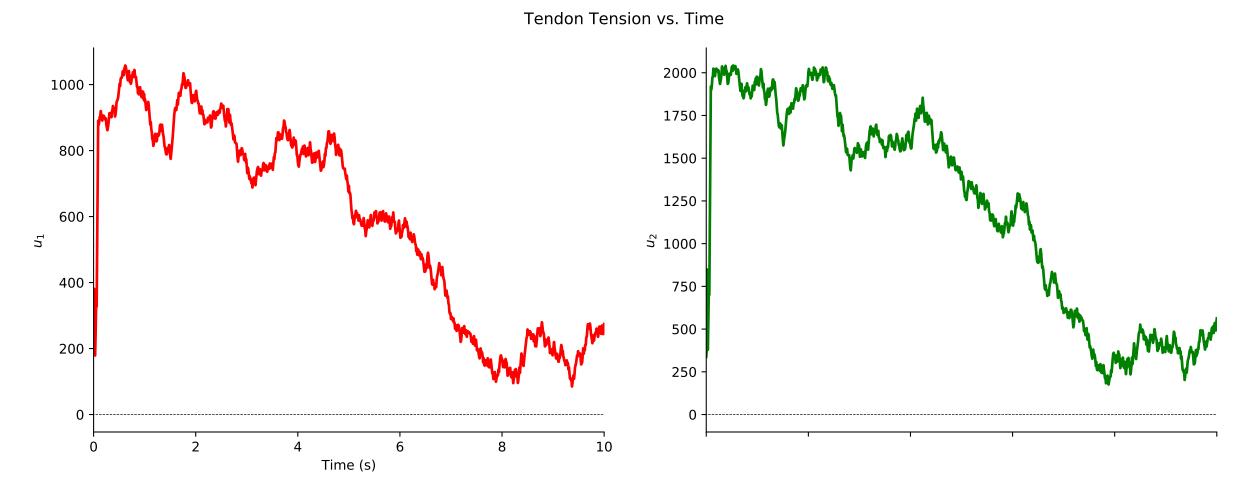




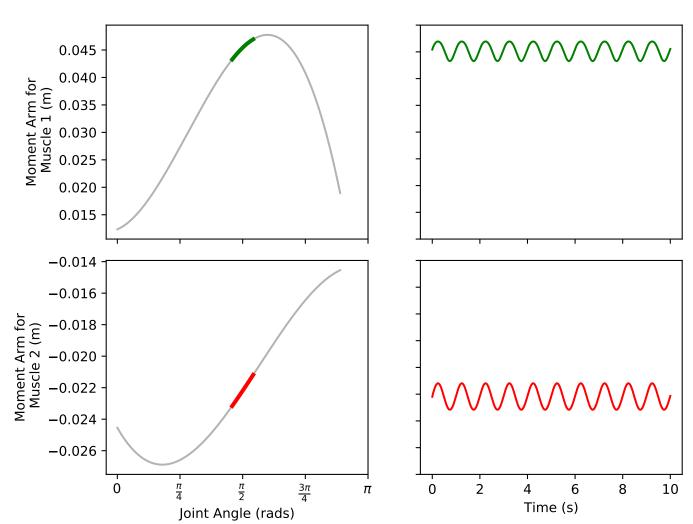
Moment arm equations (Tendon Tension Driven)



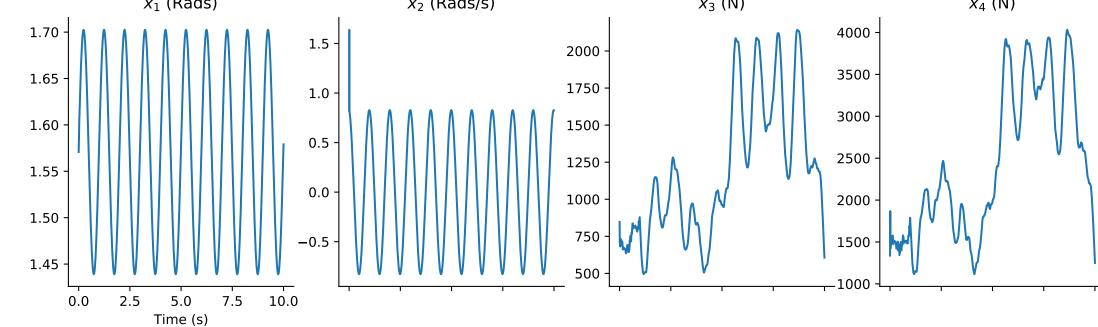
Tendon Tension Driven x_1 (Rads) x_2 (Rads/s) 1.70 1.65 1.0 1.60 1.55 0.0 1.50 0.0 2.5 5.0 7.5 10.0 Time (s)



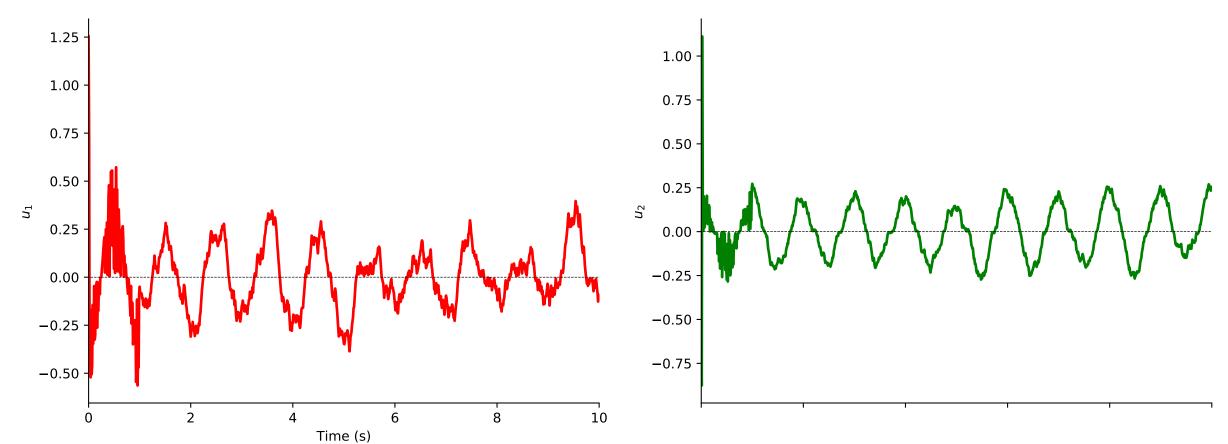
Moment arm equations (Normalized Muscle Velocities Driven)

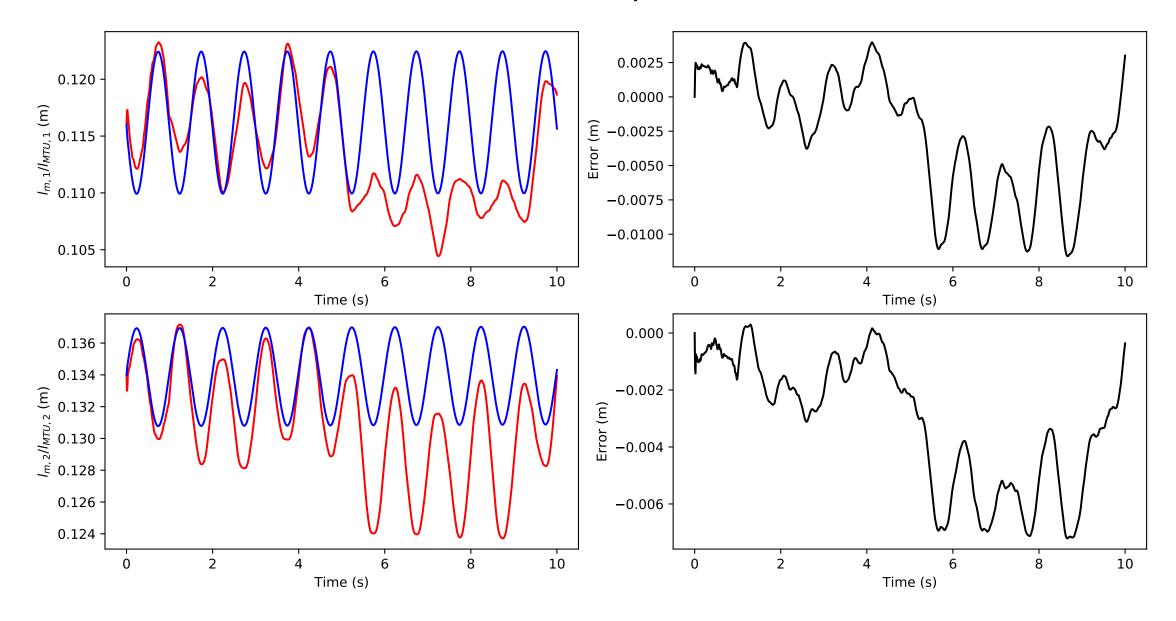


Normalized Muscle Velocities Driven x_1 (Rads) x_2 (Rads/s) x_3 (N) x_4 (N) 1.70 4000 1.5 2000 3500 1.65 1750 -1.0 -3000 1.60 1500 0.5 -2500 1250 · 1.55 0.0 -1000 -2000 1.50

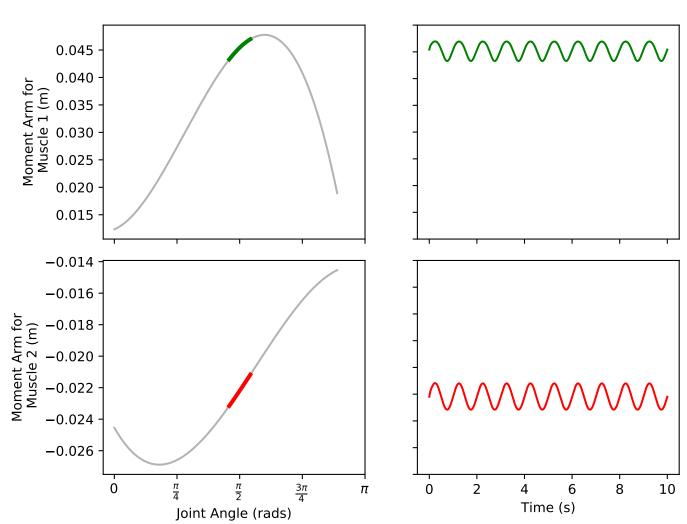


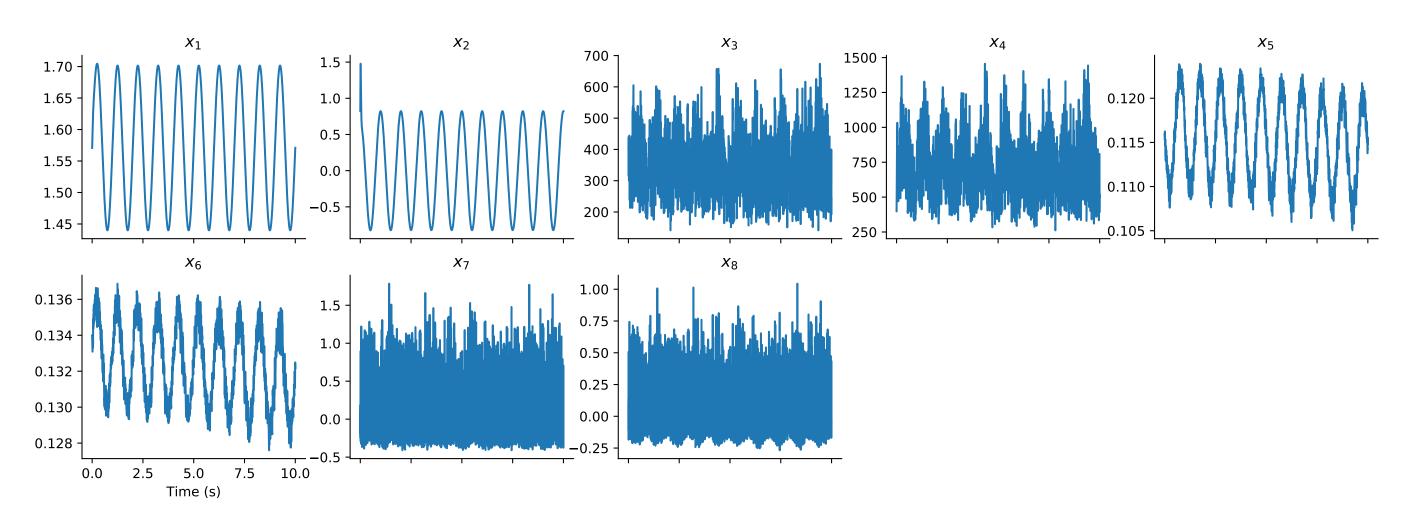
Normalized Muscle Velocities vs. Time



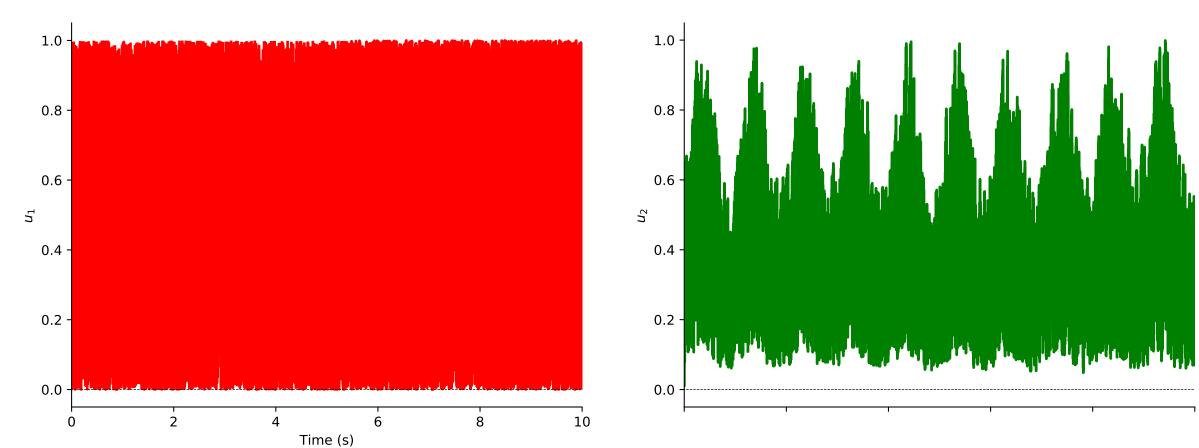


Moment arm equations (Muscle Activations Driven)





Muscle Activations vs. Time



Muscle vs. Musculotendon Lengths Muscle Activation Driven

