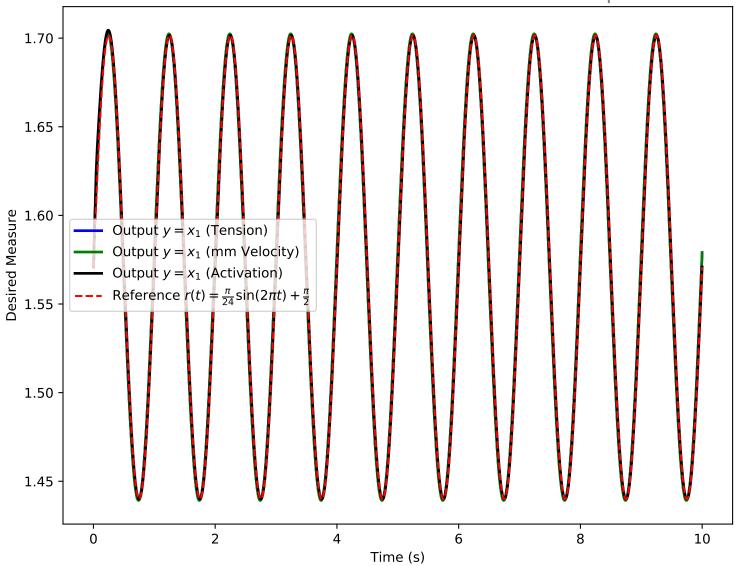
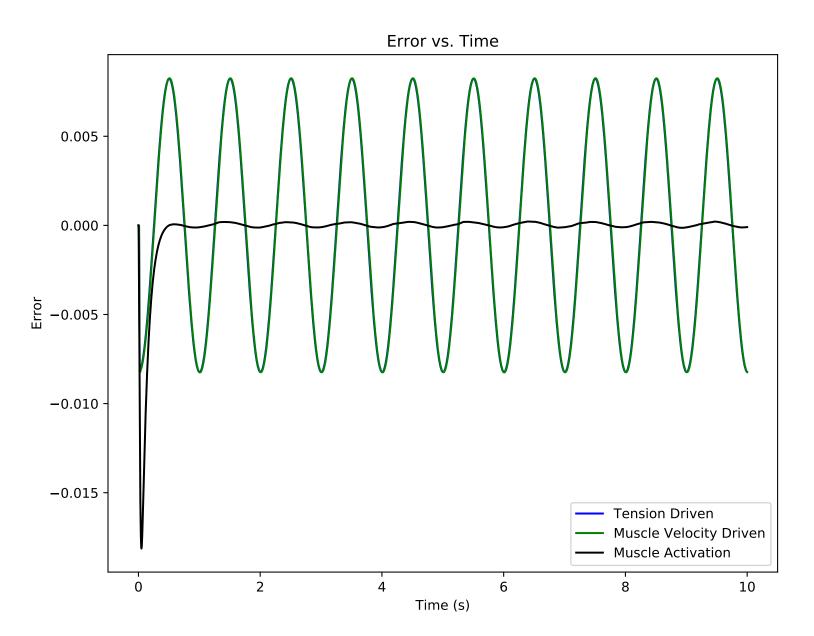
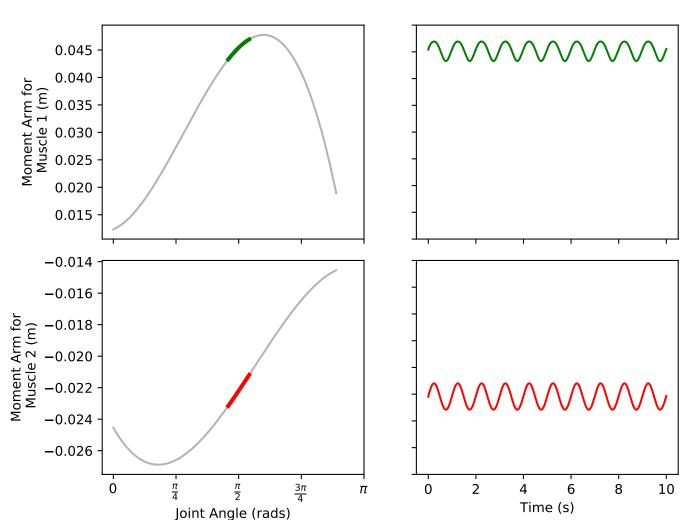
Underdetermined Forced-Pendulum Example

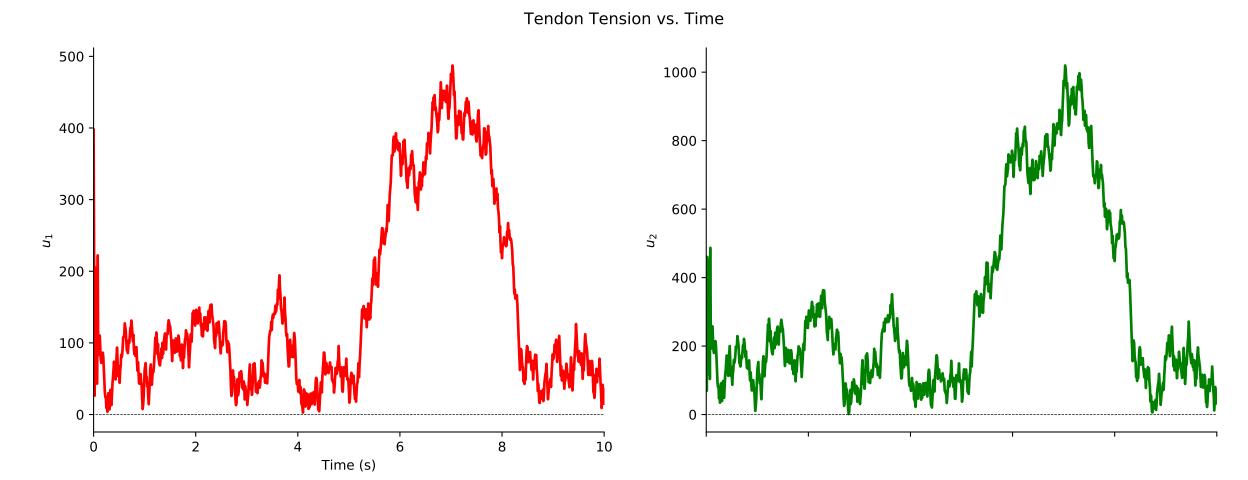




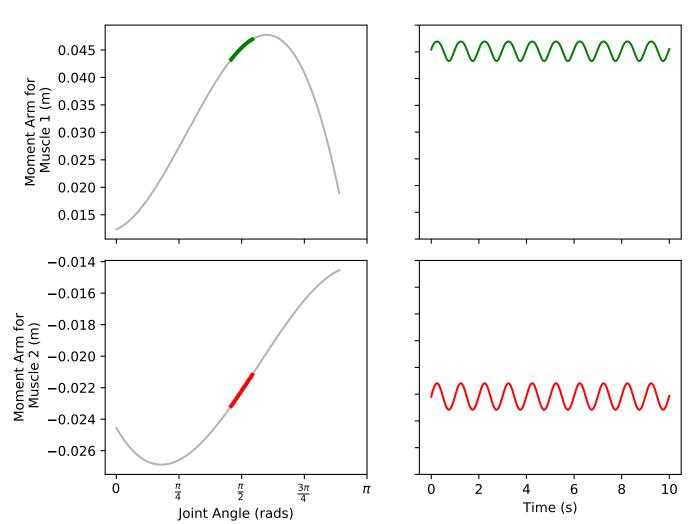
Moment arm equations (Tendon Tension Driven)



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)



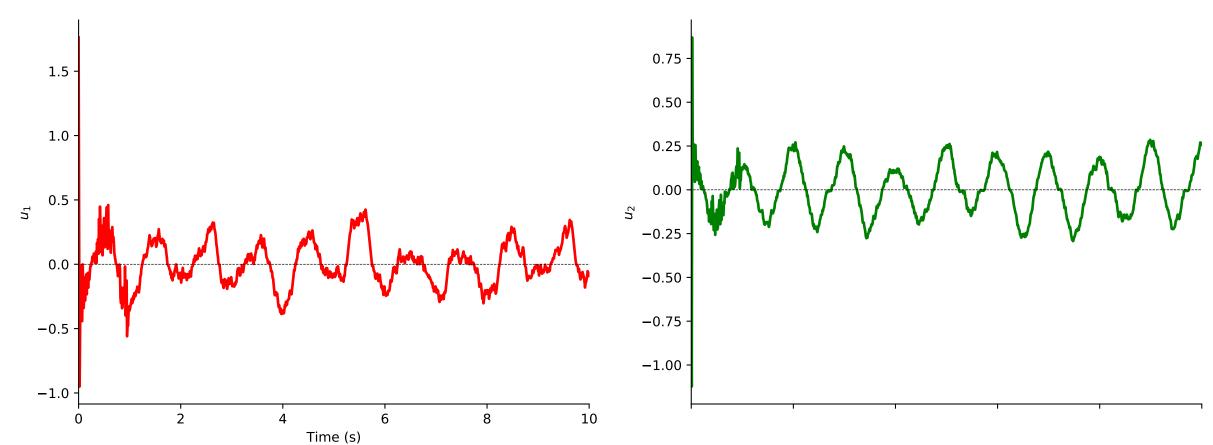
Moment arm equations (Normalized Muscle Velocities Driven)

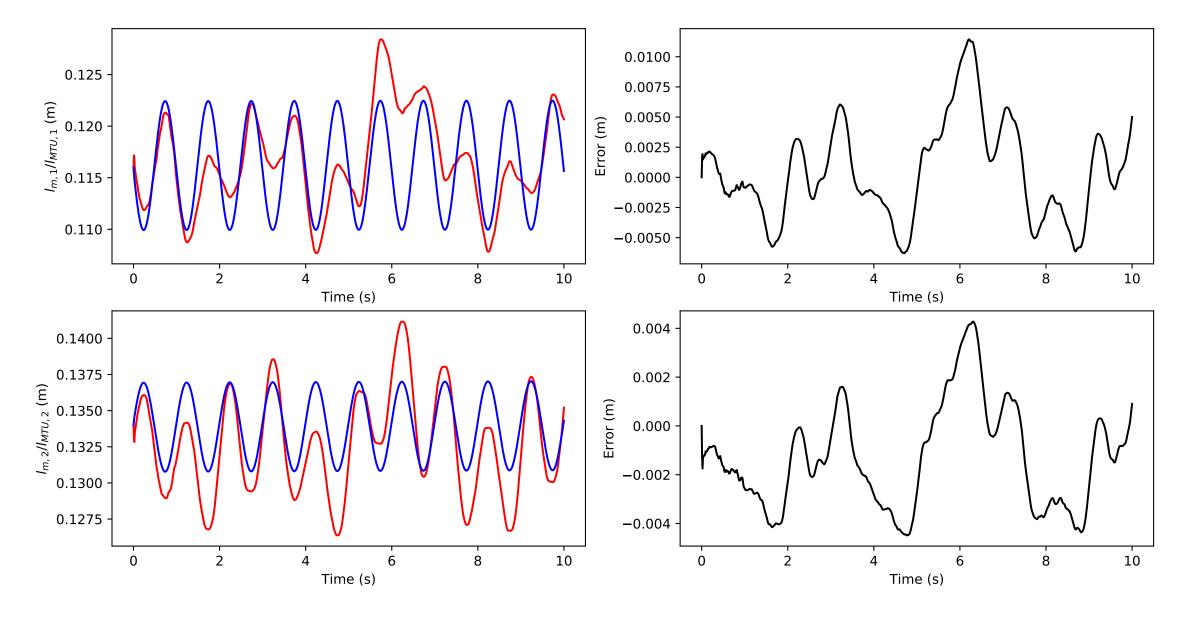


Normalized Muscle Velocities Driven x_1 (Rads) x_2 (Rads/s) x_3 (N) x_4 (N) 3000 -1600 -1.70 1.5 1400 -2500 1.65 1200 -1.0 -2000 1000 -1.60 0.5 -800 1500 1.55 600 -0.0 -1000 400 1.50 500 -0.5200 -1.45 0.0 2.5 5.0 7.5 10.0

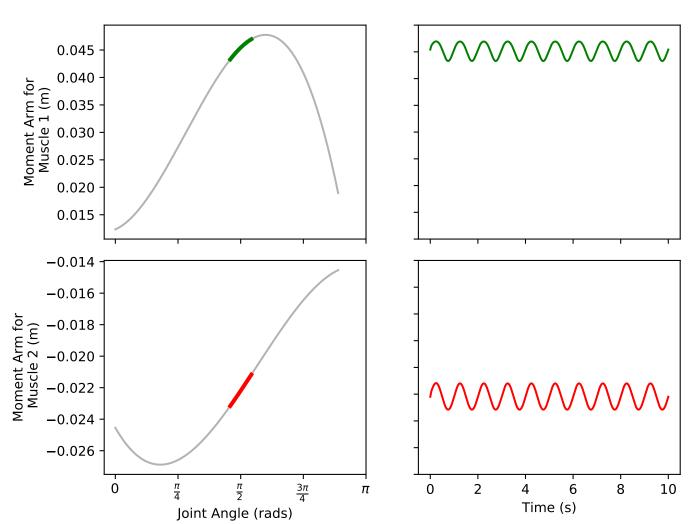
Time (s)

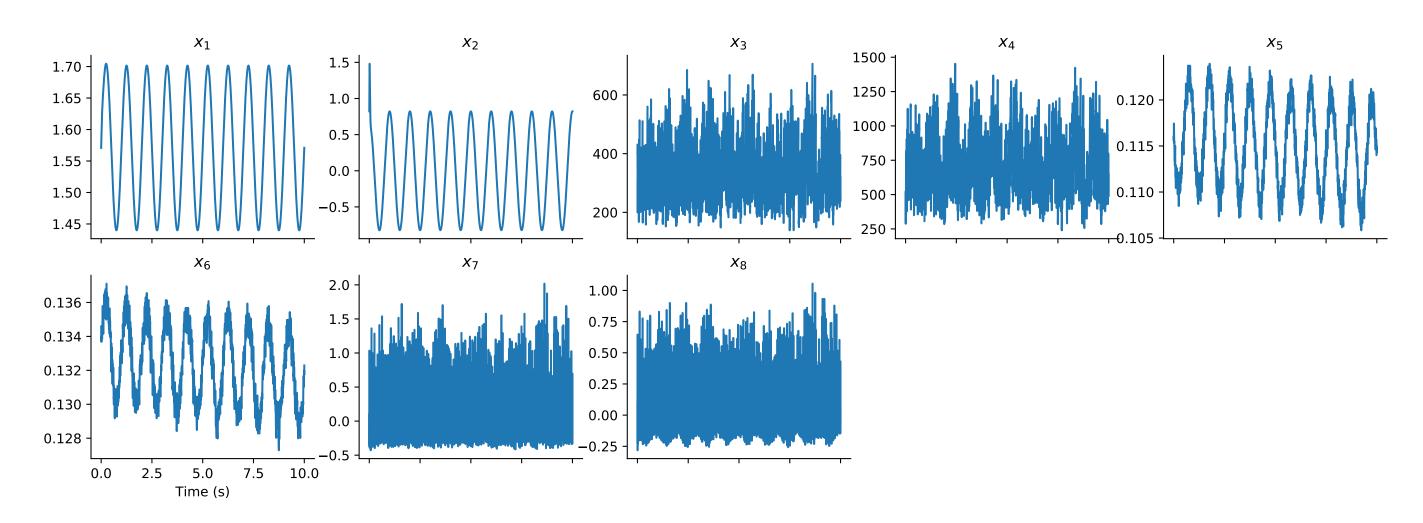
Normalized Muscle Velocities vs. Time



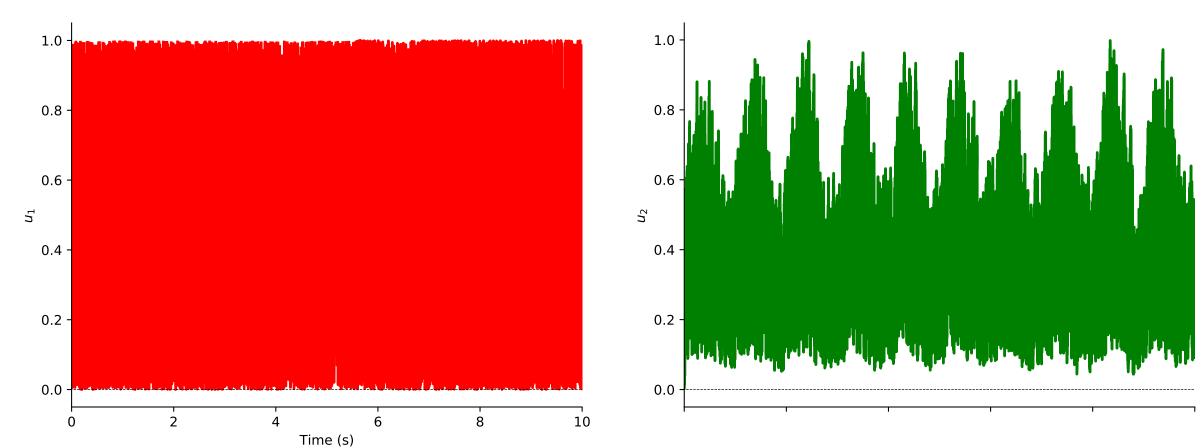


Moment arm equations (Muscle Activations Driven)





Muscle Activations vs. Time



Muscle vs. Musculotendon Lengths Muscle Activation Driven

