MATLAB section:

I wrote the variables in Matlab then load it into Simulink.

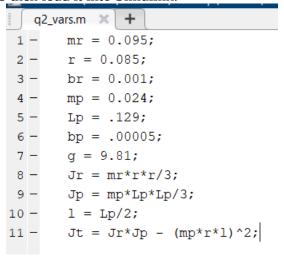


Fig 1: Matlab code

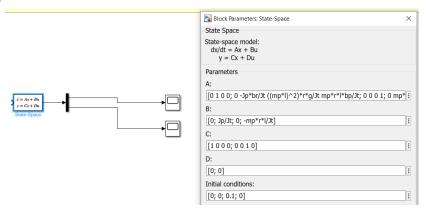


Fig 2: Simulink model

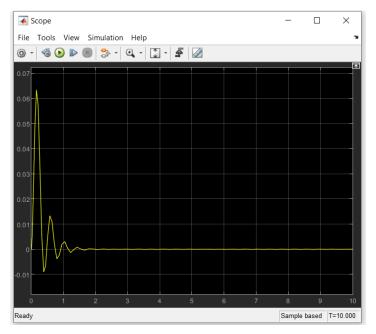


Fig 3: Angle over time

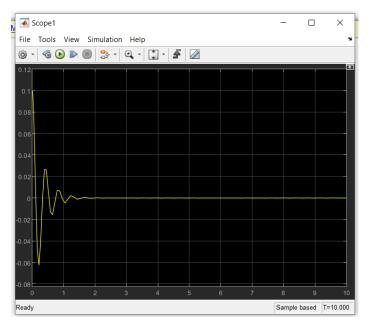


Fig 4: Speed over time