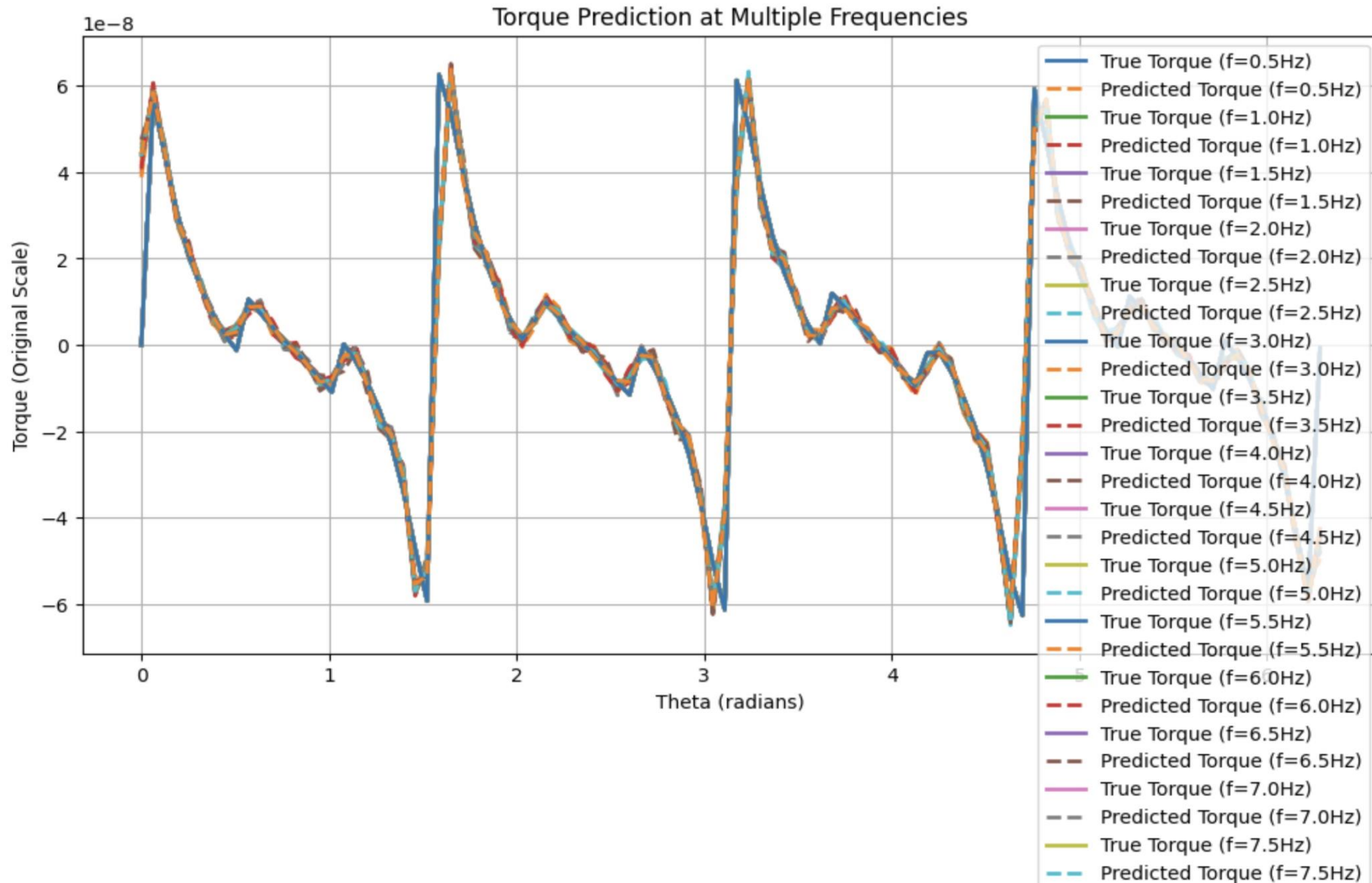
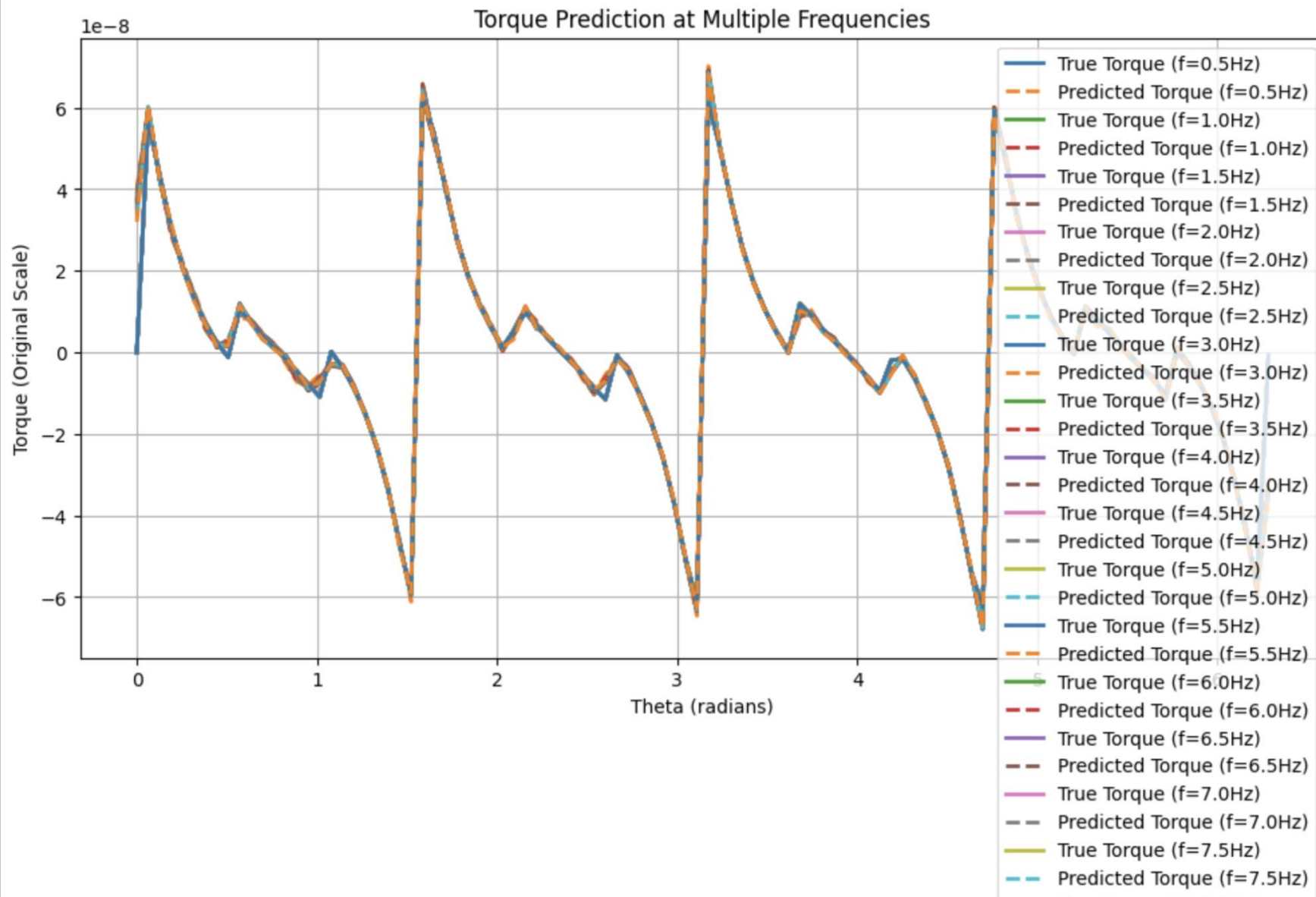


# 2D NN (Hidden Sinusoidal Fns)

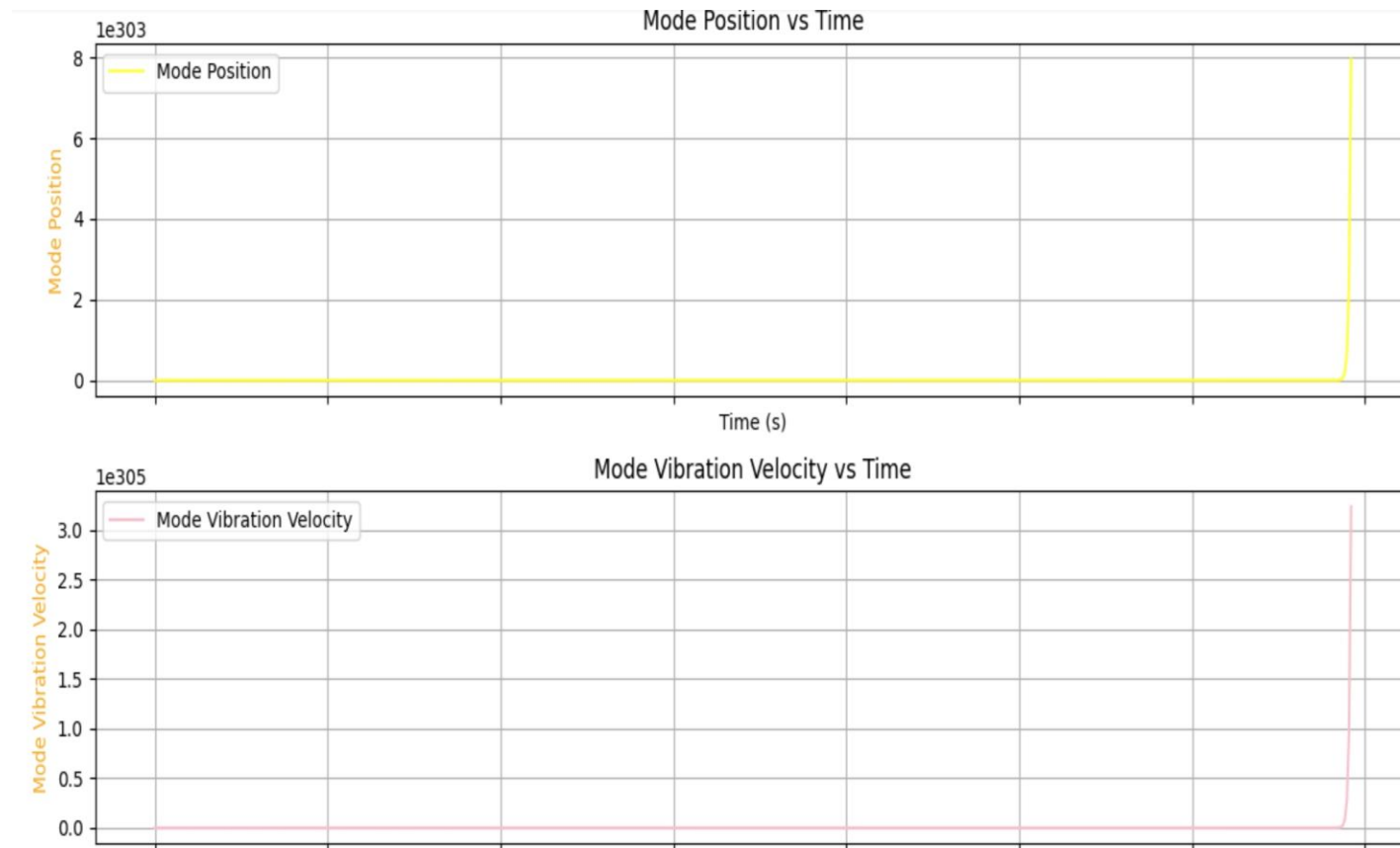


# 2D NN (Concatenated Sinusoidal Fns)

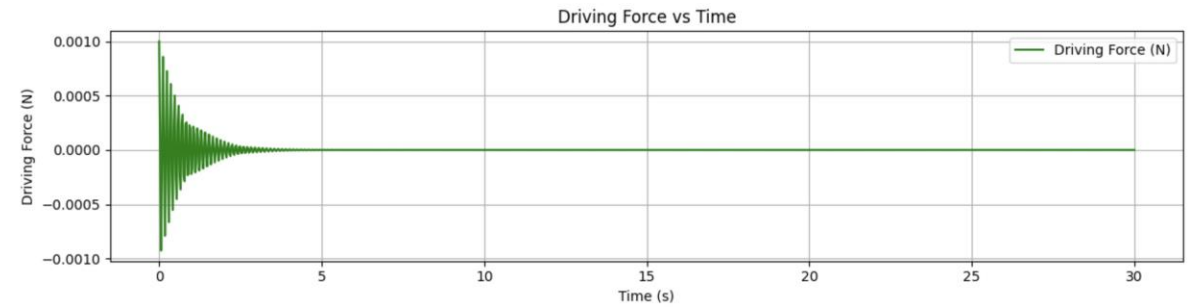
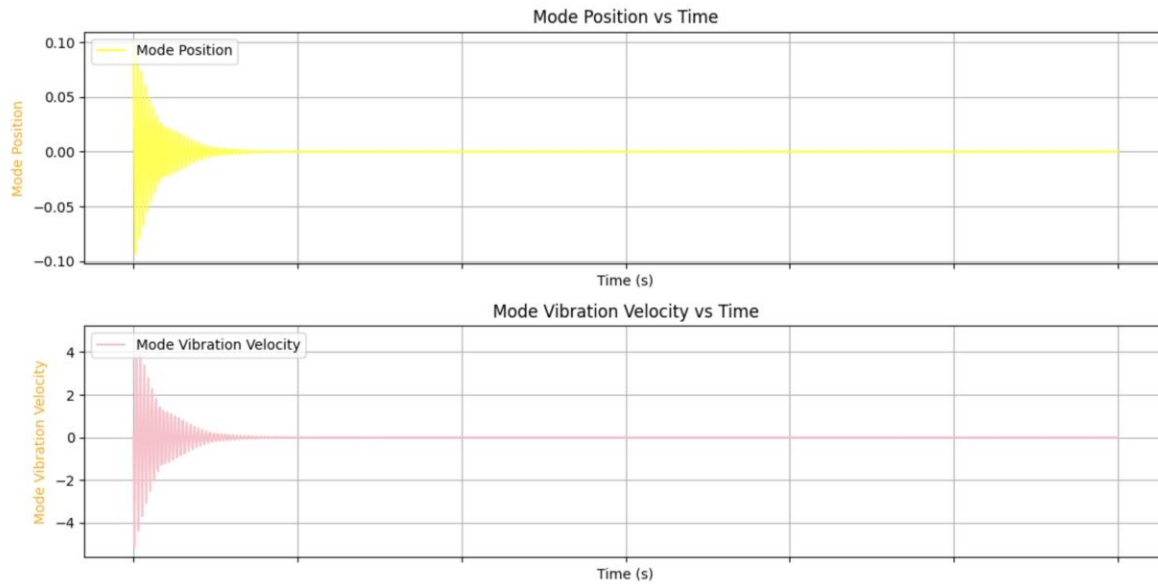


# SCIPY 2-EQN ODE SOLVER ( $f(t) = 0.01 * x$ )

## Runtime: 17 mins

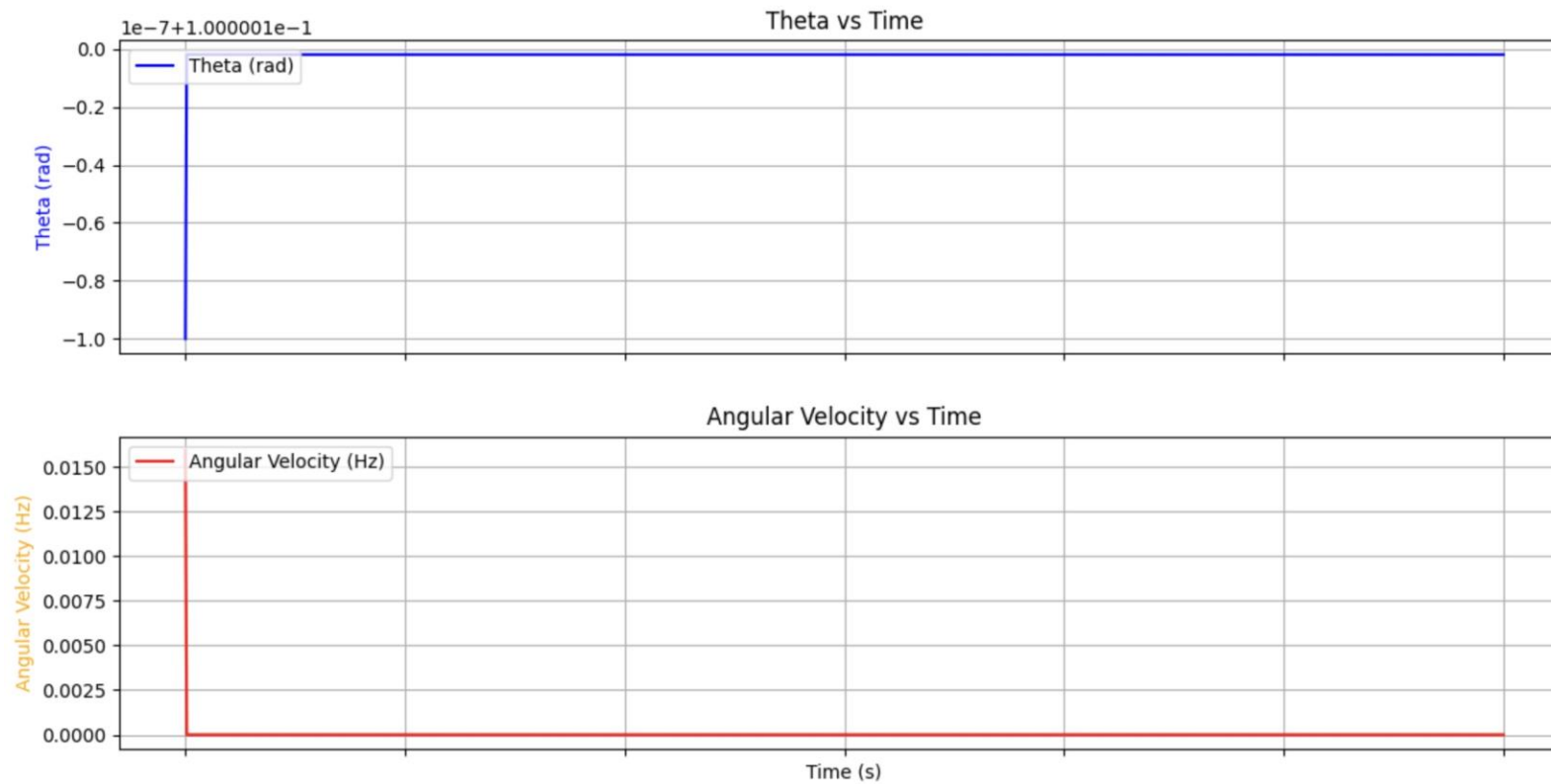


# SCIPY 2-EQN ODE SOLVER ( $f(t) = 0.01 * x$ )

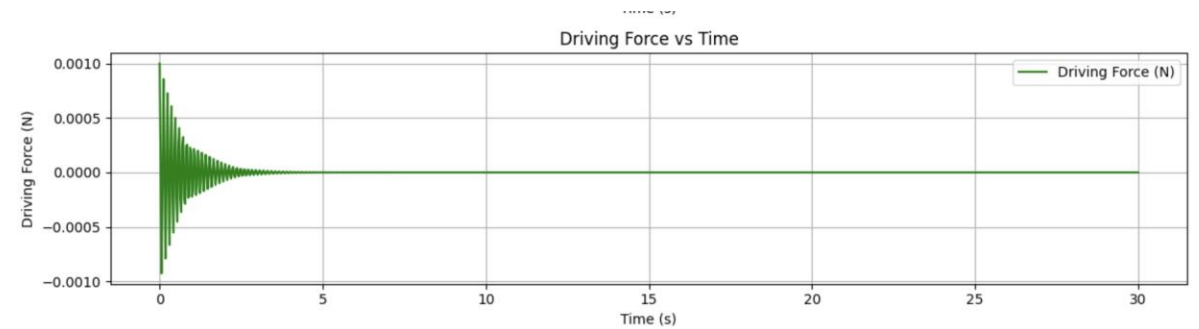
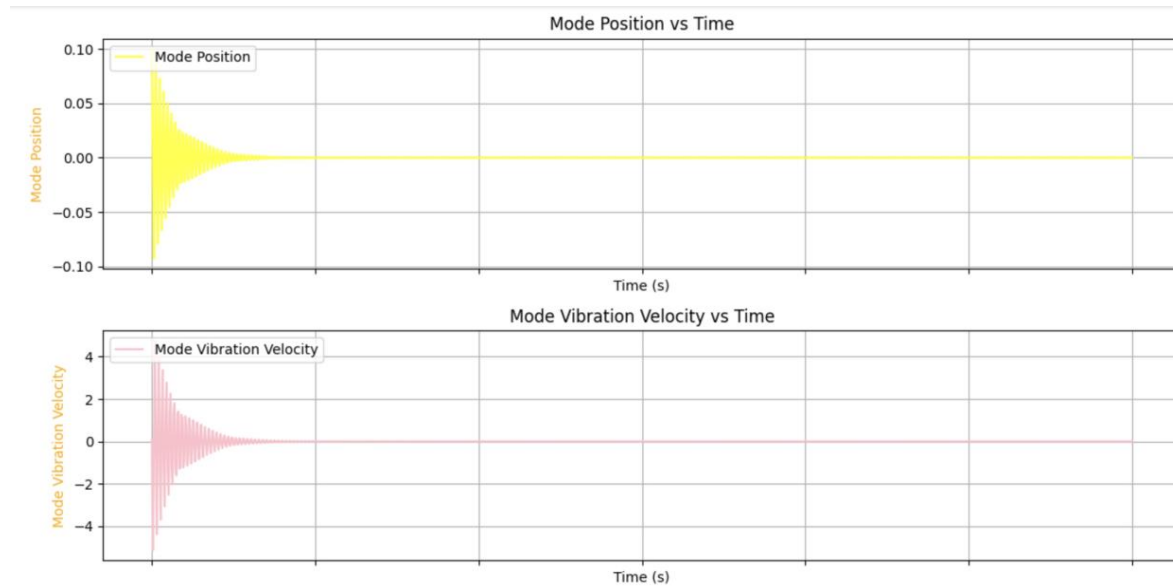


# JAX 2-EQN ODE SOLVER ( $f(t) = 0.01 * x$ )

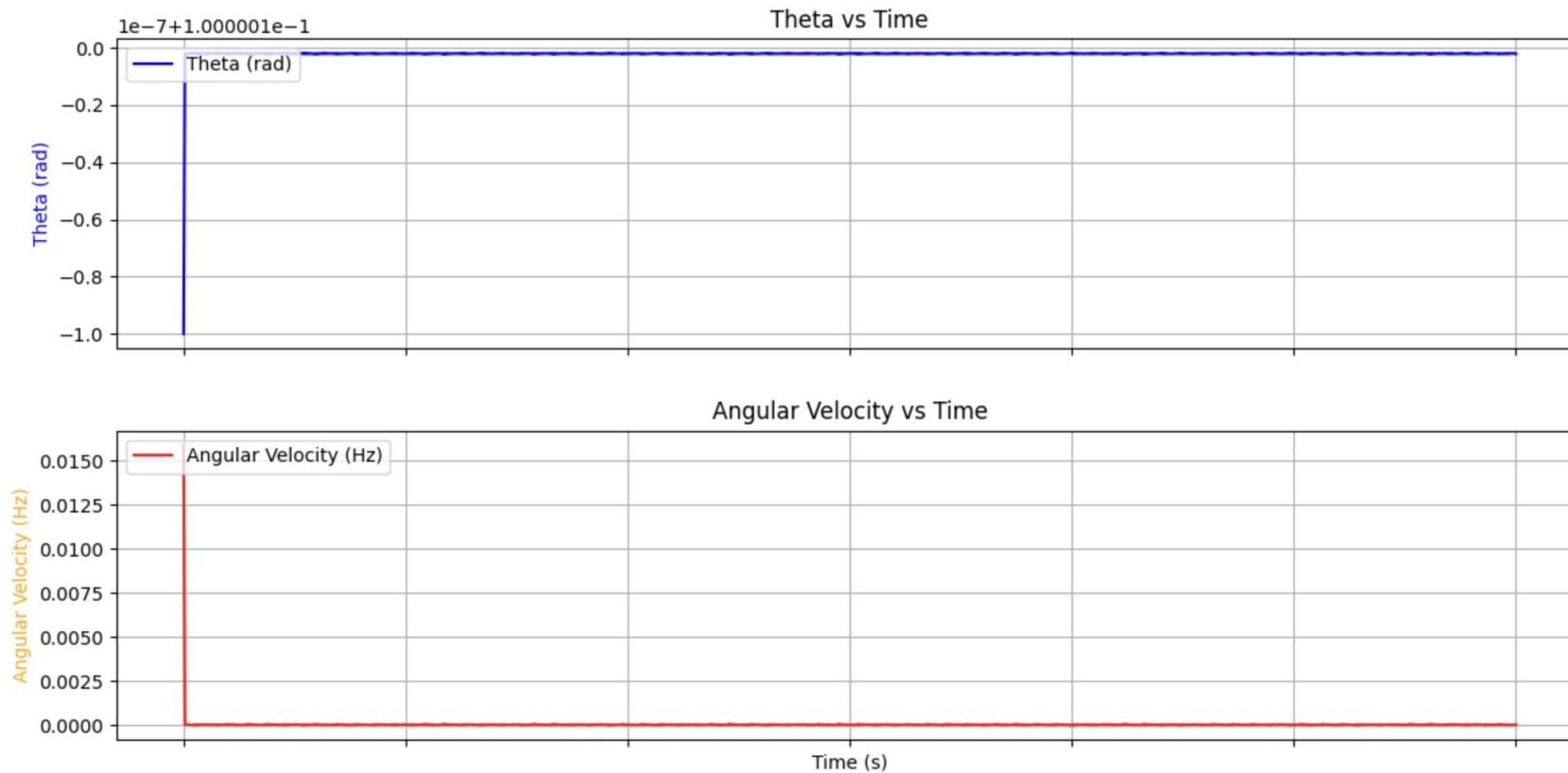
**Runtime: 21s**



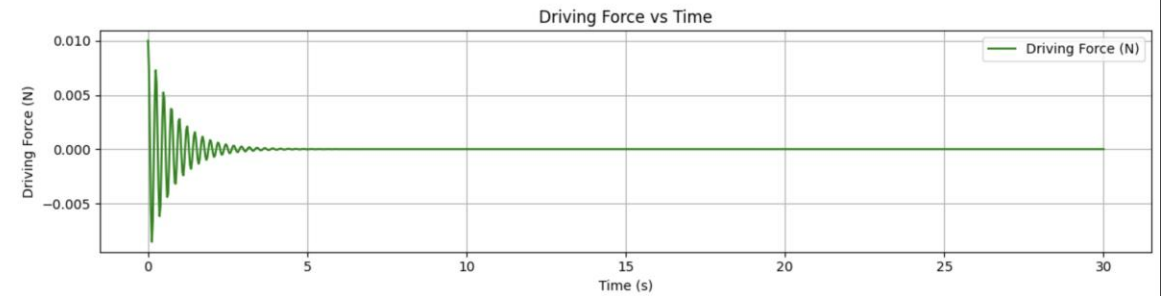
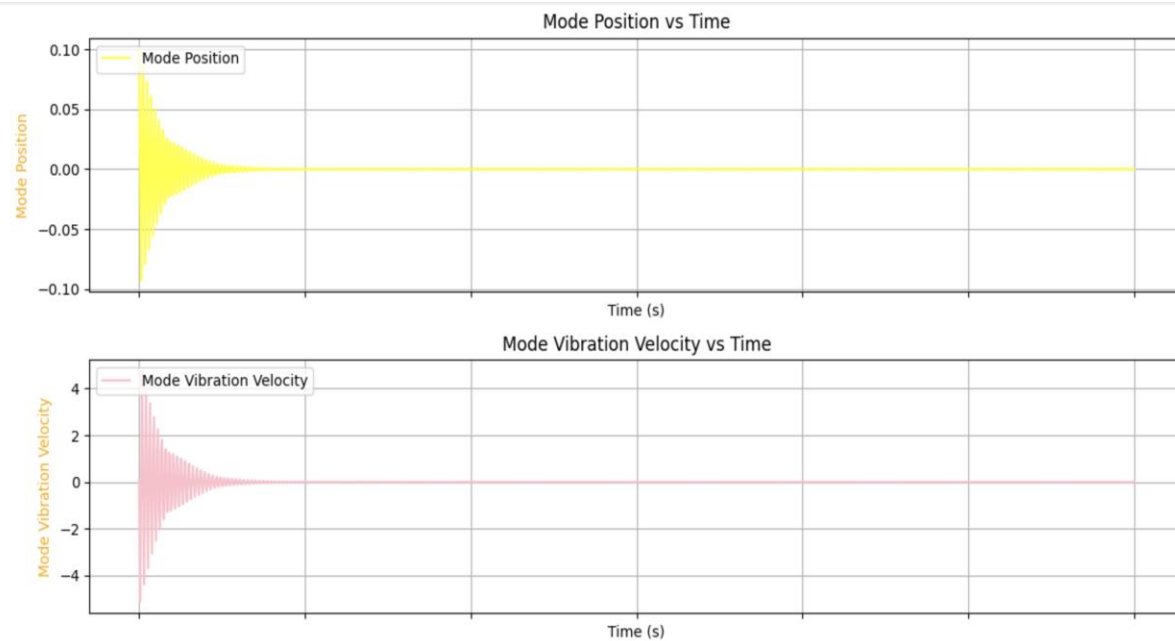
# JAX 2-EQN ODE SOLVER ( $f(t) = 0.01 * x$ )



# JAX 2-EQN ODE SOLVER ( $f(t) = 0.1 * x$ )



# JAX 2-EQN ODE SOLVER ( $f(t) = 0.1 * x$ )





# JAX 2-EQN ODE SOLVER ( $f(t) = 0.05 * x$ )

