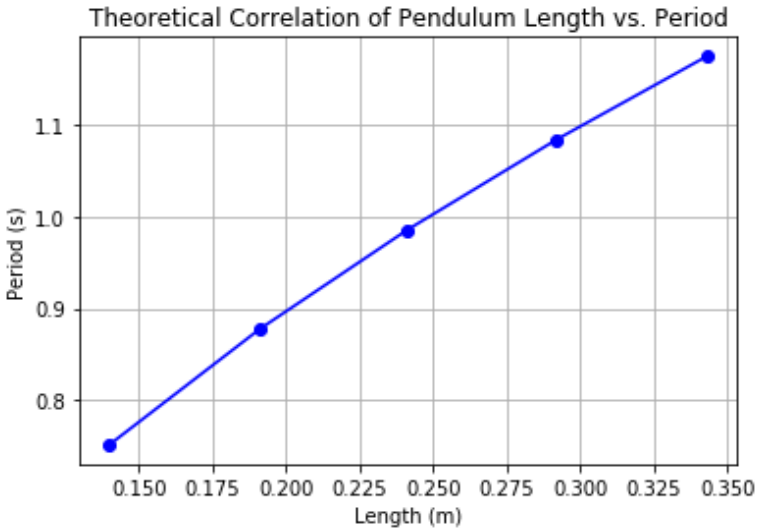
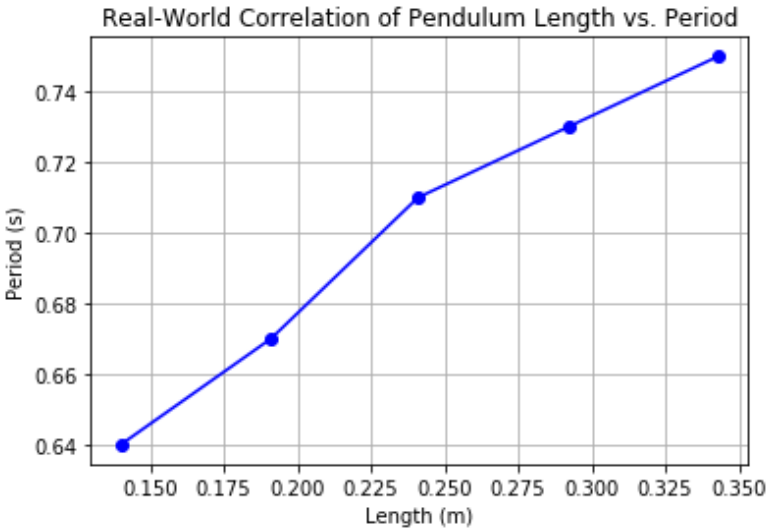
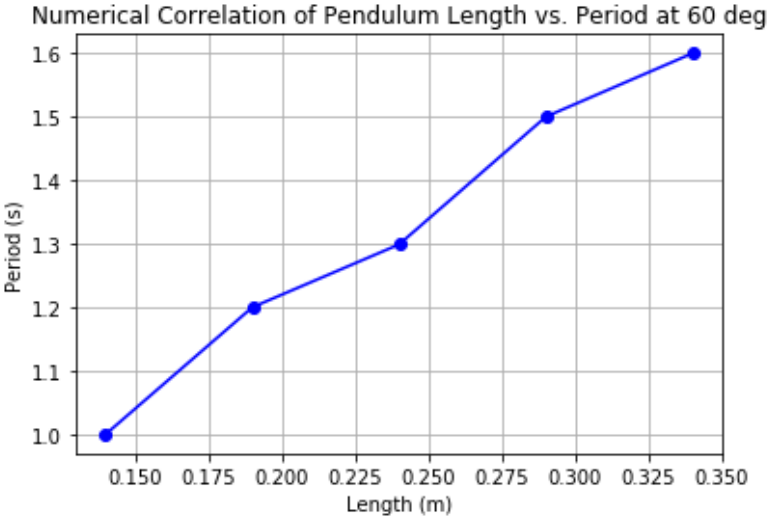
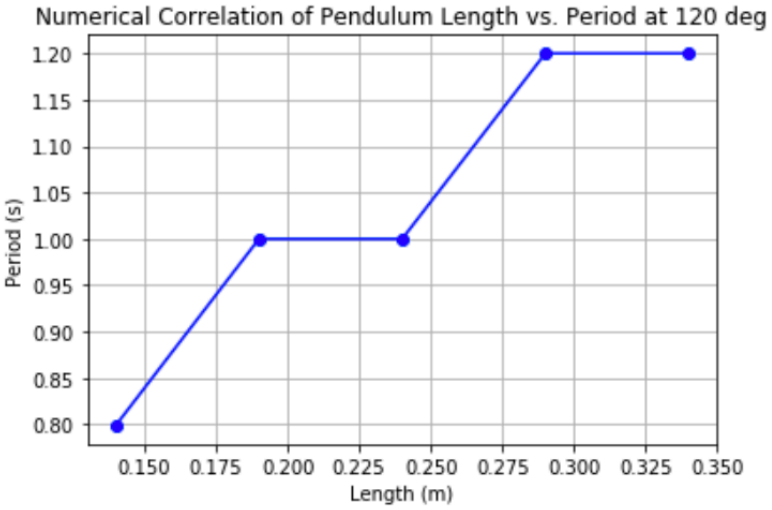
Step 1: Pendulum Setup (lengths 5.5, 7.5, 9.5, 11.5, 13.5 inches)

Pendulum Length vs. Theoretical, Real-World, and Numerical Model Periods

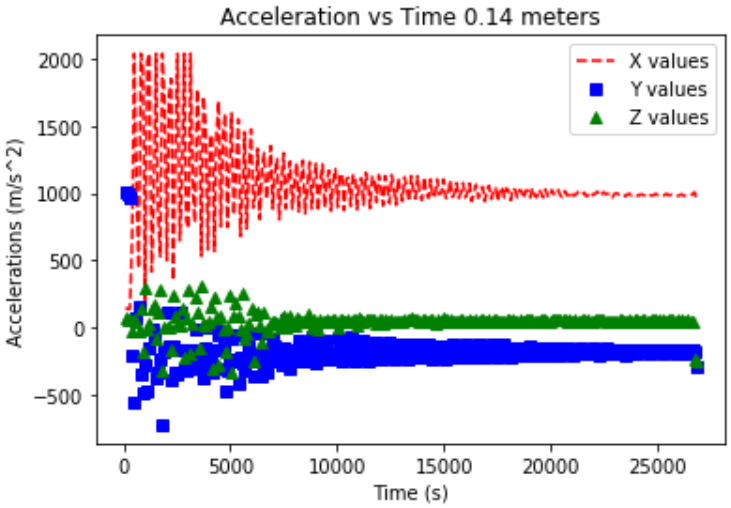


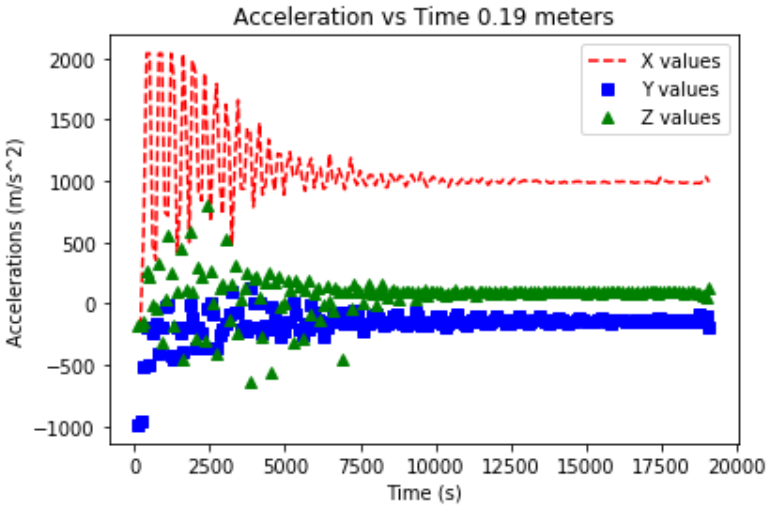


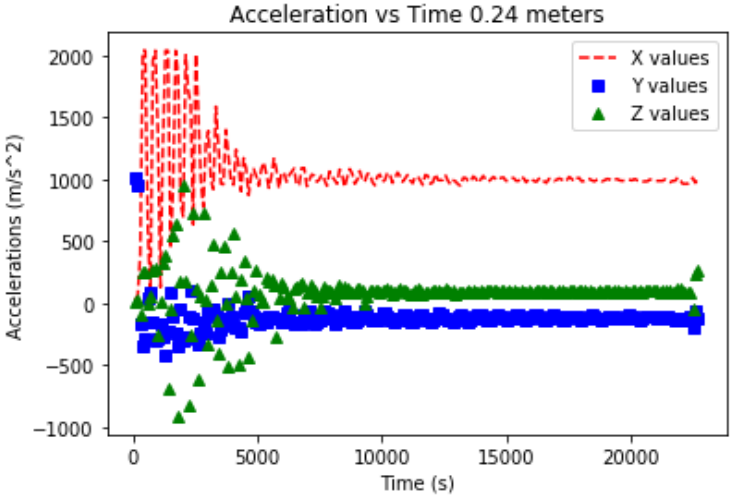


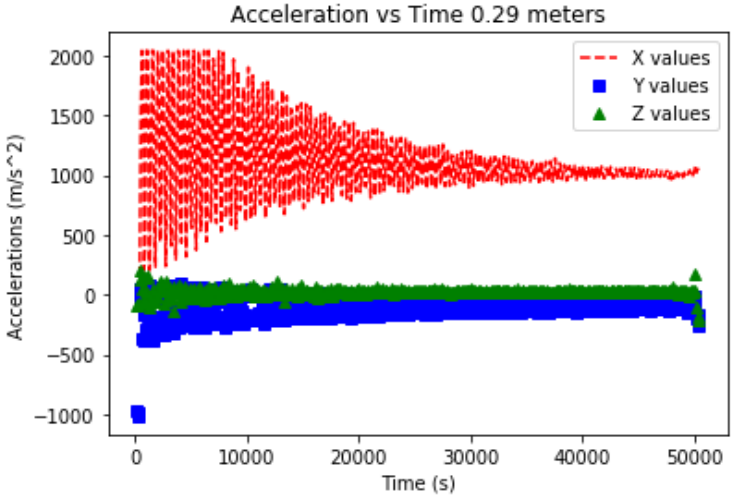


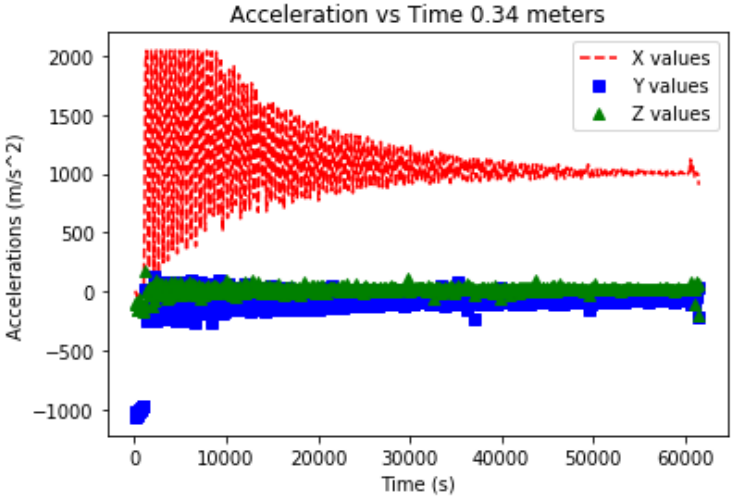
Step 4: Real-World Model Acceleration of Pendulum (x, y, z)



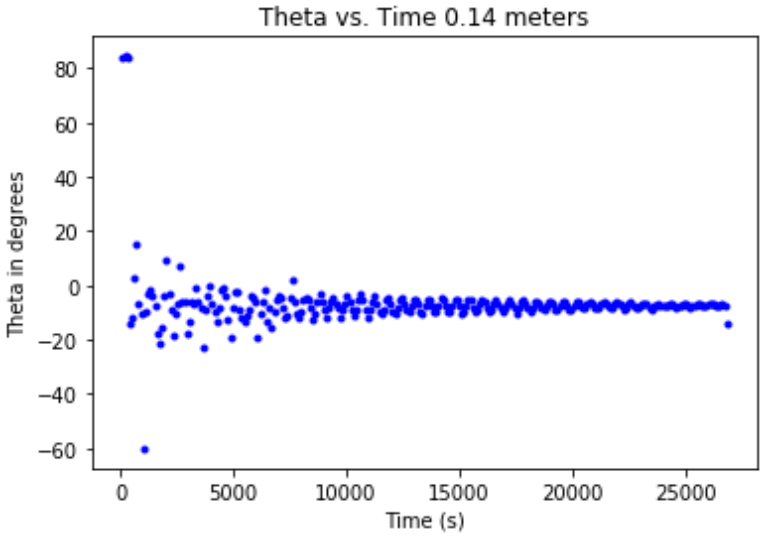


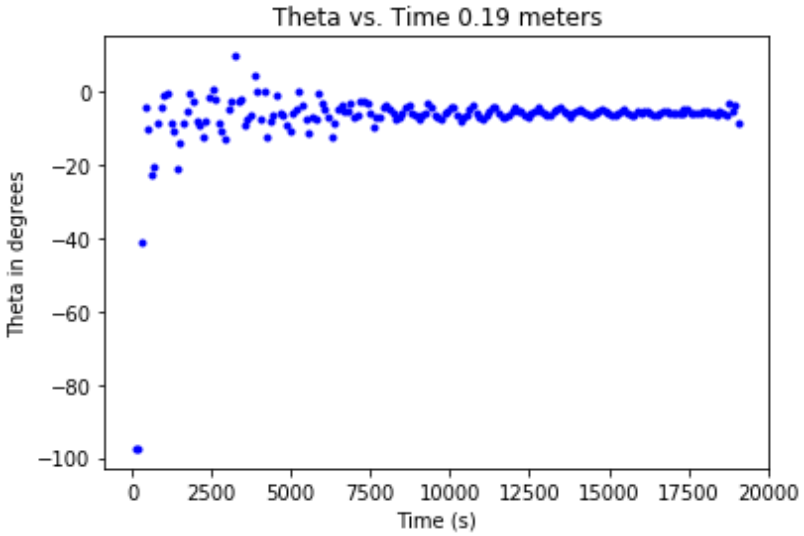


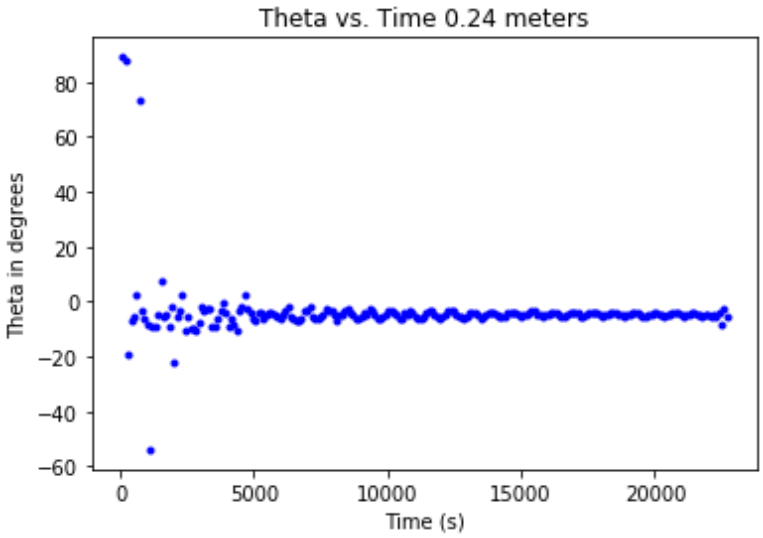


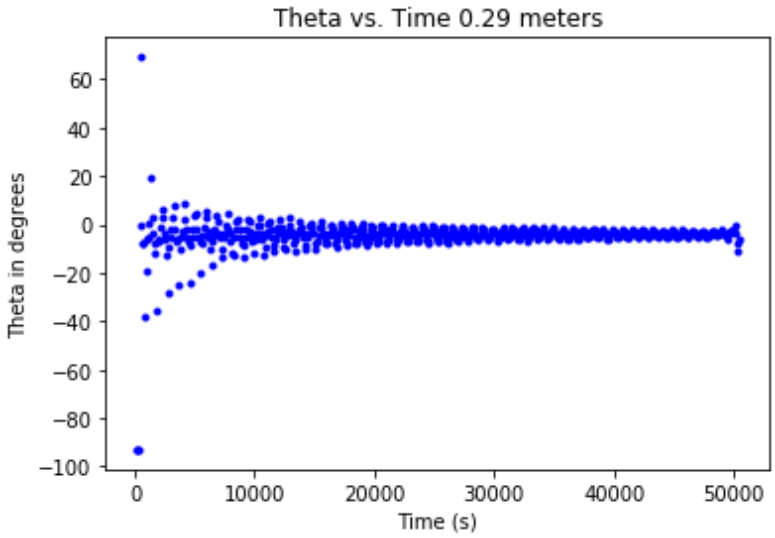


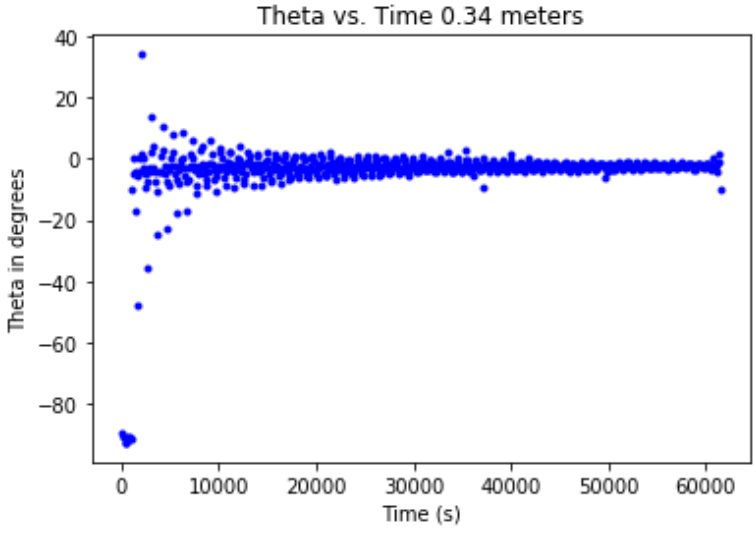
Step 4: Real-World Model Theta vs. Time



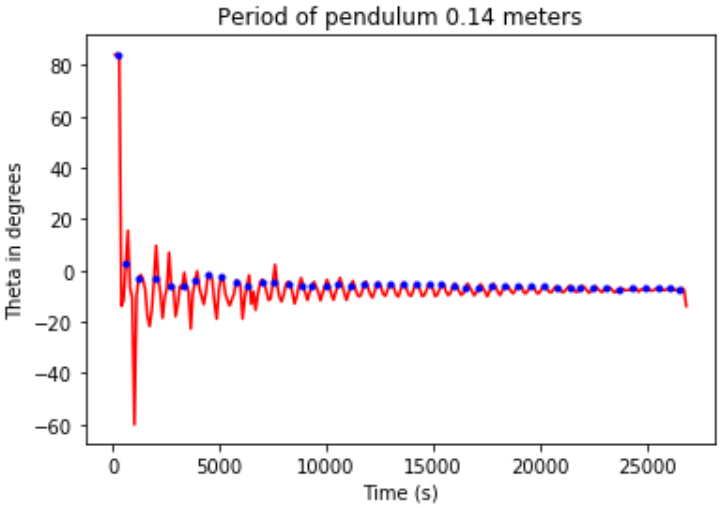


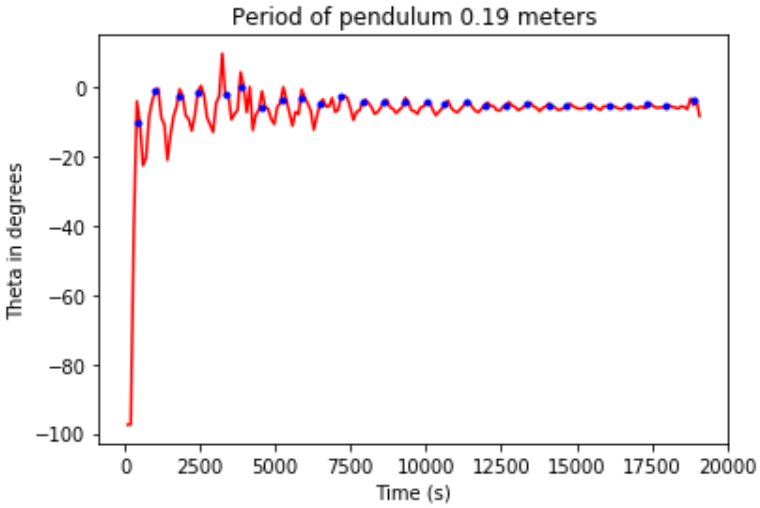


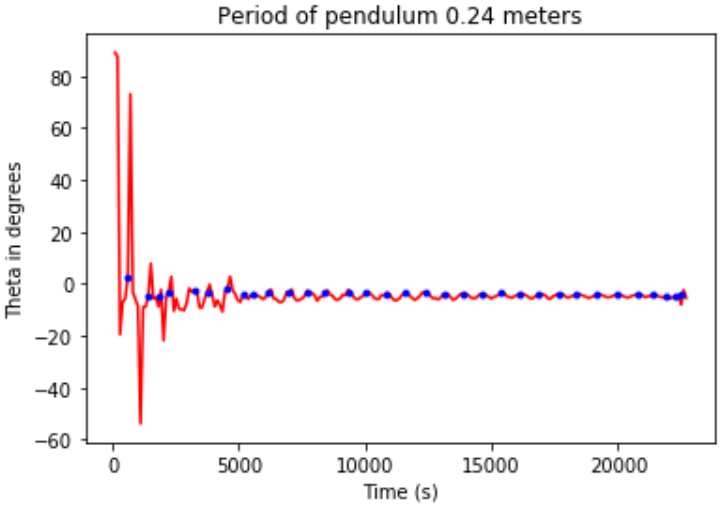


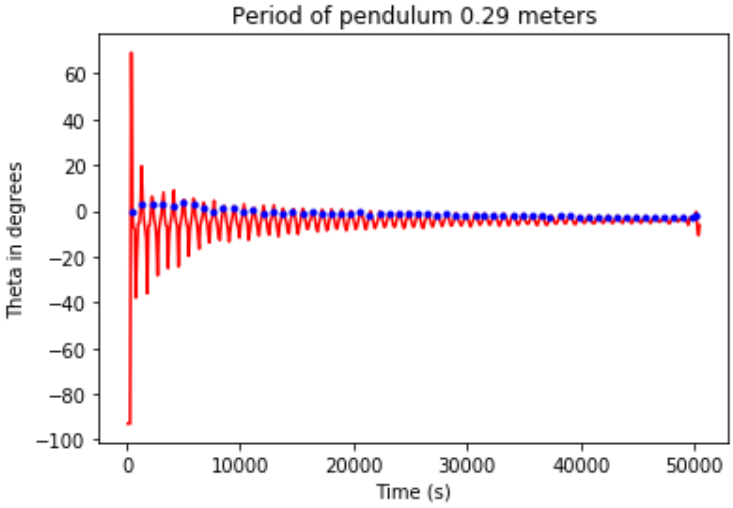


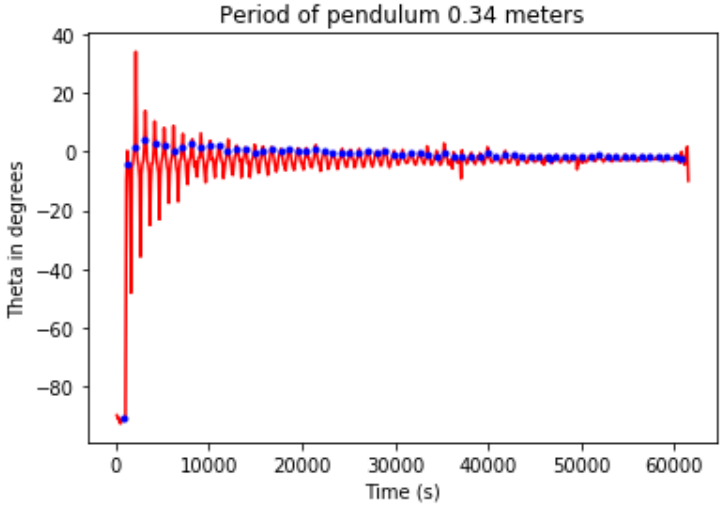
Step 4: Real-World Model Periods



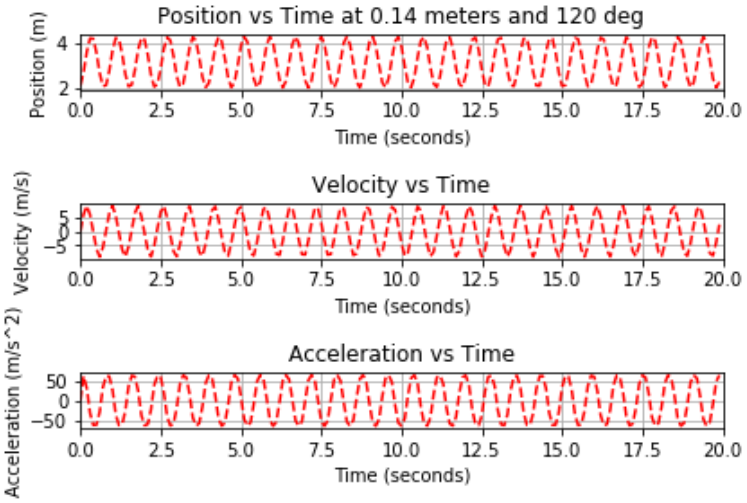


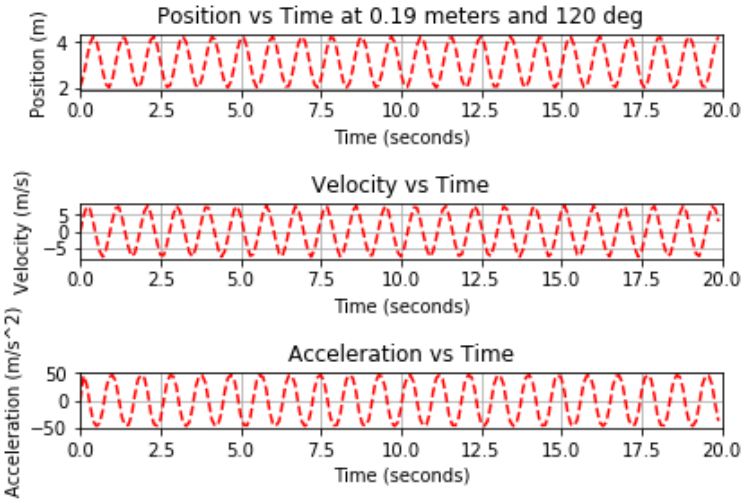


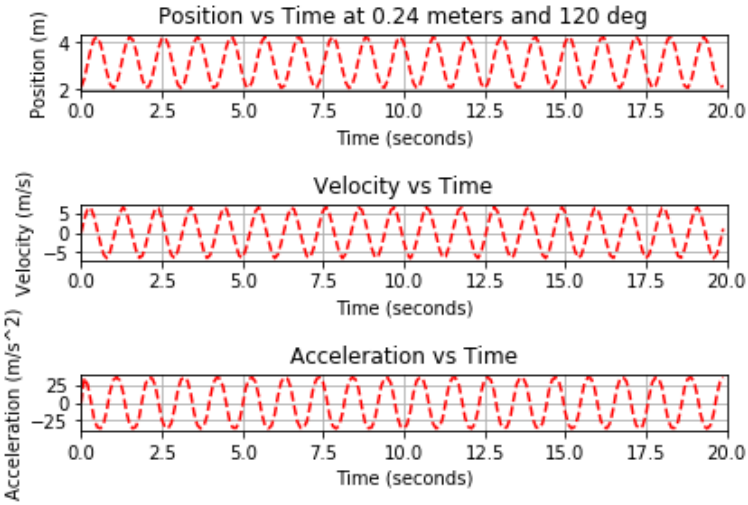


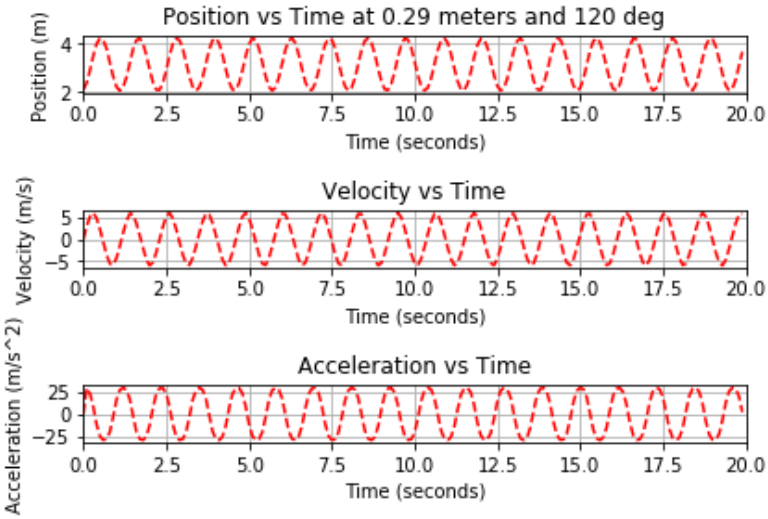


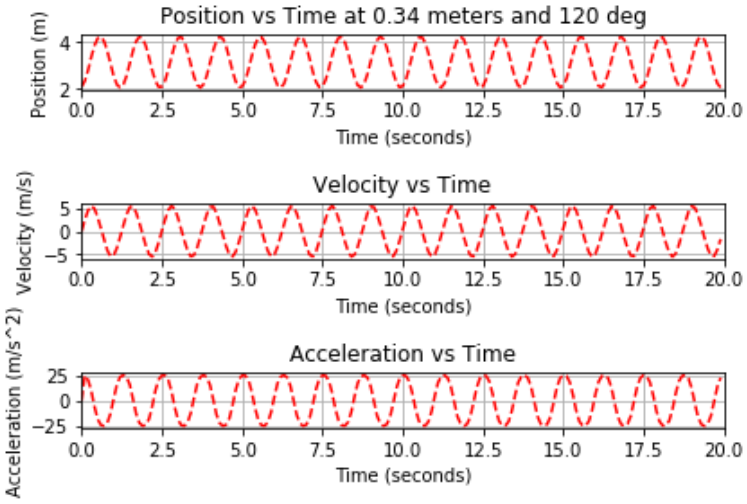
Step 5: Numerical Position, Velocity, and Acceleration at 120 Degrees











Step 5: Numerical Position, Velocity, and Acceleration at 60 Degrees