

of Oscillations / Time (seconds) vs. Mass (g)

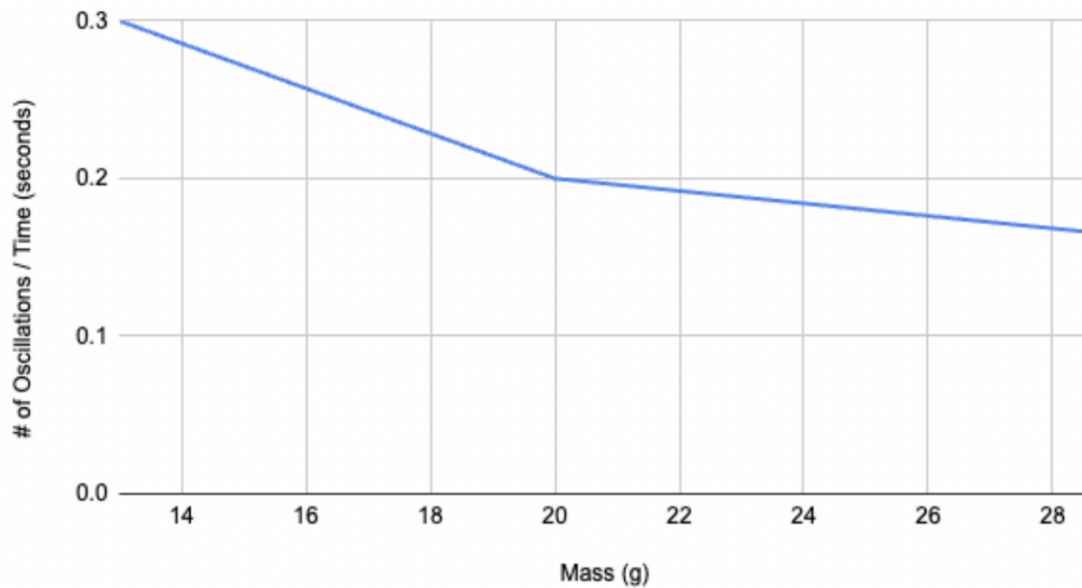


Figure 1: # of oscillations/time (seconds) vs. Mass (g)

This graph tells us that when mass increases, # of oscillations decrease, allowing the engineer to design a model that takes into account the mass of the device to optimize stabilization. The results also show a further need to investigate the effects that mass has on how the device functions.

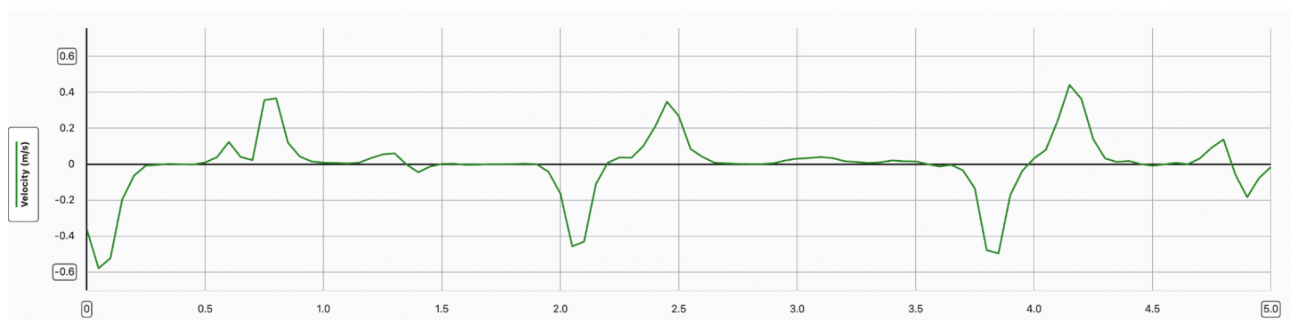


Figure 2: Velocity (m/s) vs. Time (seconds)

The Velocity vs. Time graph can illustrate a baseline for the speed the device needs to lower in order to be effective, allowing both the engineer and user to determine whether or not the assistive device has succeeded in reducing wobbling.