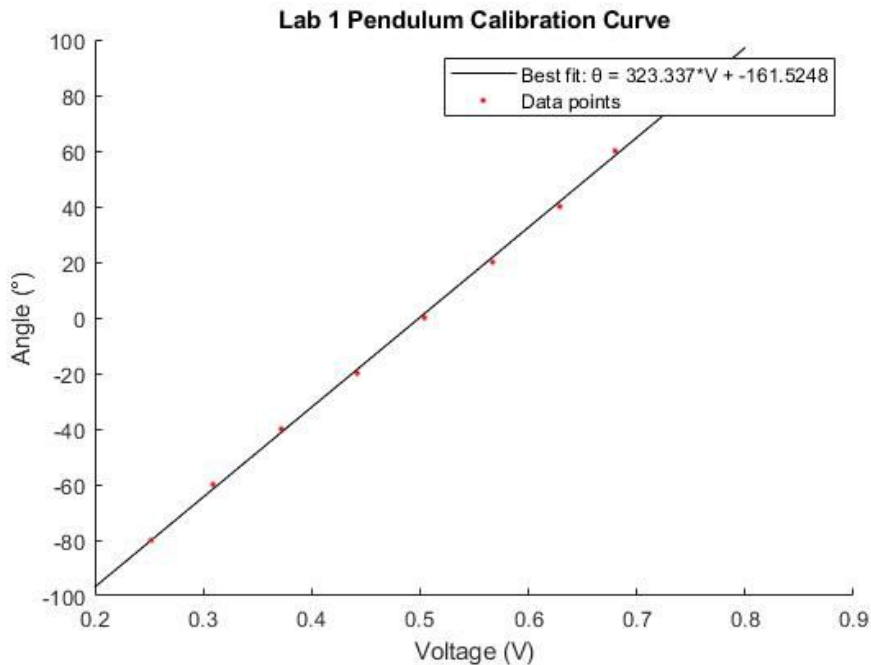
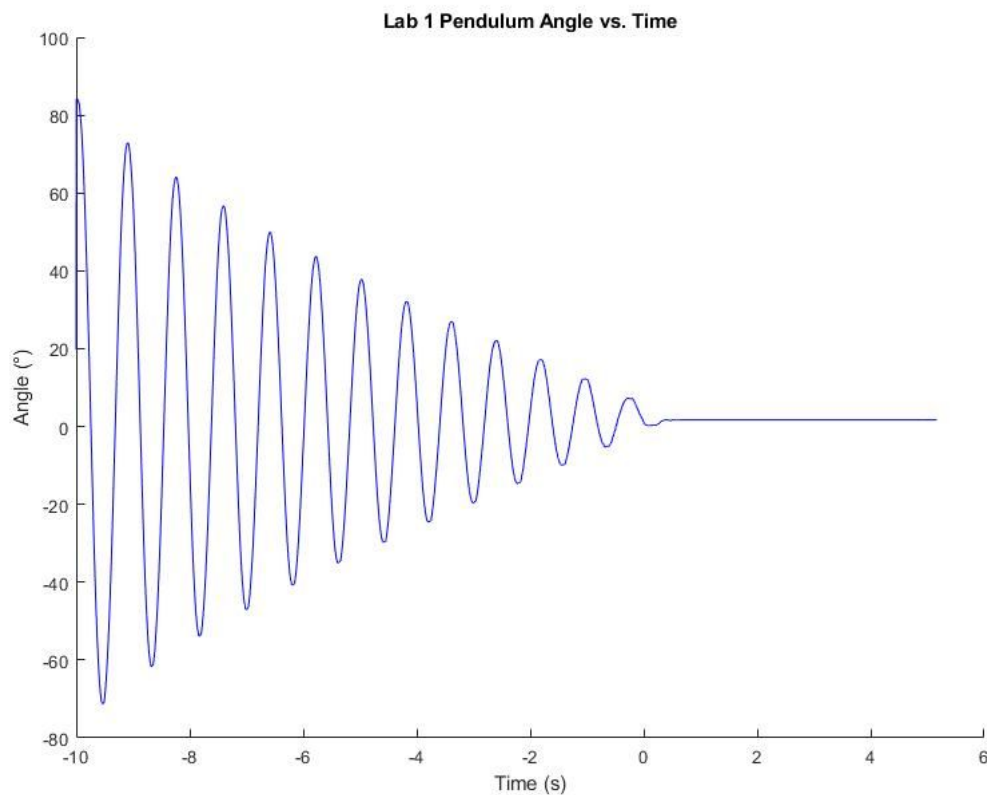


Lab Report 1 - Pendulum

Lilo Heinrich



This figure shows the data collected of the angle of the pendulum, in degrees relative to vertical, graphed by the measured voltage of the potentiometer. The linear best fit equation is shown, calculating the angle as a function of voltage.



Plugging the voltage data collected by the analog discovery as the pendulum swings into the calibration equation above made it easy to calculate the corresponding angle of the pendulum over time, assuming that no slippage occurred between the pendulum and the output shaft.