Akoua Orsot

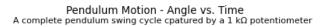
Prof. Linda Vanasupa, Prof. Brad Minch

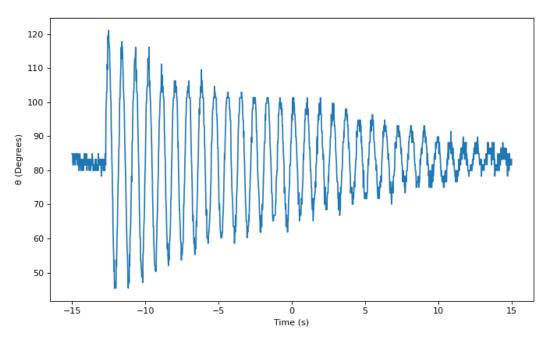
ENGR1125-02

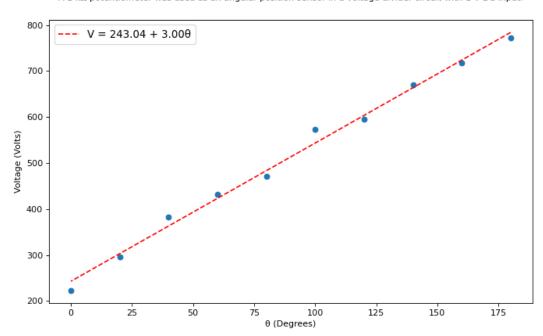
February 3rd, 2022

Report

1.

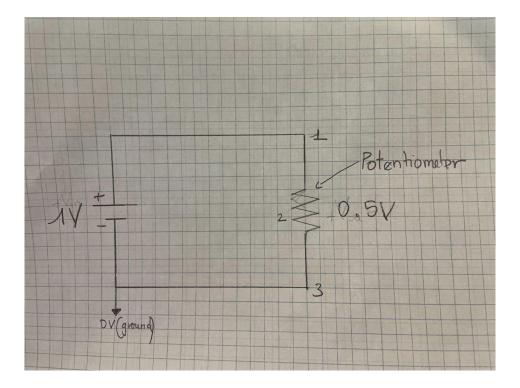






 $Calibration \ Curve - Angle \ vs. \ Voltage \\ A \ 1 \ k\Omega \ potentiometer \ was \ used \ as \ an \ angular \ position \ sensor \ in \ a \ voltage \ divider \ circuit \ with \ 1 \ V \ DC \ input.$

3. Circuit Diagram



4. Please see Jupyter Notebook attached for the code.

Conceptual focus:

- In this instance, the transfer function represents a polynomial relationship.
- At first glance, we would have expected a sinusoidal. With the three pins acting
 as sensors, the transfer function would appear to go up and own, traversing each
 of them. Thus, it was pretty interesting seeing this hypothesis fail.