Date: April 5, 2022

From: Liam Keeley

To: Colleagues

Subject: Pendulum Experiment

Executive Summary:
Can we observe chaotic motion in a damped/driven pendulum?
Detailed goals:

- Apply theoretic models of a damped/driven pendulum to create a chaotic system.
- Allow data to tell a story during collection, and build on last weeks' readings about scientific writing to present findings
- Learn about "deterministic chaotic dynamics"; possibly learn about mathematical characterizations of chaos and apply these to quantify the chaos observed in our system (assuming chaos is observed)

Desired Feedback:

- Which information seems unnecessary or distracting and which is essential to the argument?
- Is the argument well justified?
- Is the work presented in a transparent manner?
- Are there elements of the paper that seem overly complicated and could be simplified?