Lab 03 – Damped Harmonic Motion

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04/02/2026

1 Results

In this lab, we designed an experiment to measure and create a dampened oscillation (of any form). We decided to use a pendulum, and tested different ways to dampen the oscillation effectively. Our final setup can be seen in Figure **??**.

Using the following equation,

$$F = A \cdot e^{\left(-\frac{b}{2 \cdot m}\right)} \cdot cos(\omega \cdot x) \tag{1}$$