

Math 229, Spring 2020
Project: Modified damping

In this project you will study several modifications of the models for the damped harmonic oscillator which model various situations more realistically. This is Lab 2.3 in the text.

In your writeup, please include the following:

1. The writeup as described in Lab 2.3.
2. For each modification of the standard damped oscillator, comment on how far the solutions deviate from those of the standard damped oscillator. Can you say anything about the conditions under which it would be advisable to use the more complicated model?