Project 2 Reflections and Introduction to Module 3

PLEASE SEAT YOURSELVES in every other row so the NINJAs and instructors can circulate easily among you.

Today's Agenda

Today we'll reflect on Project 2 and kick off the third part of the course, introducing our approach to mechanics and learning the trick of rewriting second-order differential equations as systems of first-order differential equations.

Project 2 Reflection

What things learned from Project 2 do you want to carry with you into Project 3?

Rewriting Second-Order DiffEQs as First-Order DiffEQs

How do we get this to look like a second-order differential equation?

$$RI(t) + L\frac{dI(t)}{dt} + V(0) + \frac{1}{C} \int_0^t I(\tau)d\tau = V(t)$$