Studying Differential Equations

Bernd Schröder

That Guy in the Videos

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1. I'm a geek.

An Overview of the Course – Motivation

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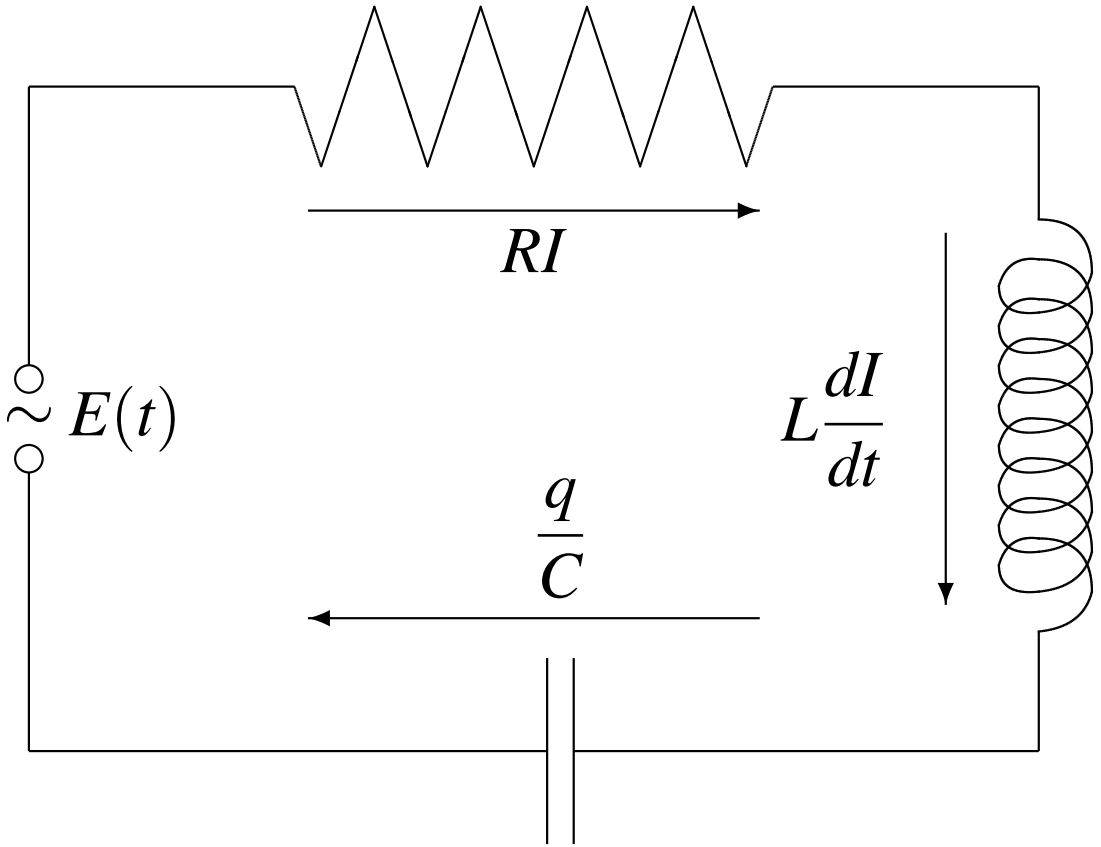

$$E(t) = L\frac{dI}{dt} + RI + \frac{q}{C}$$

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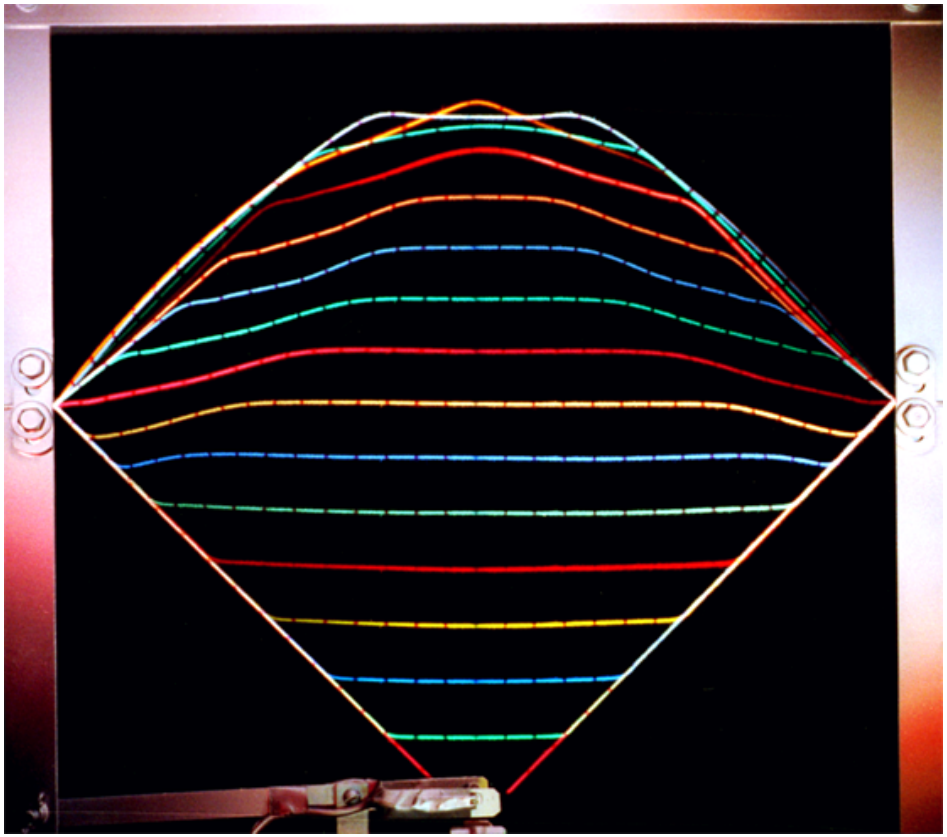

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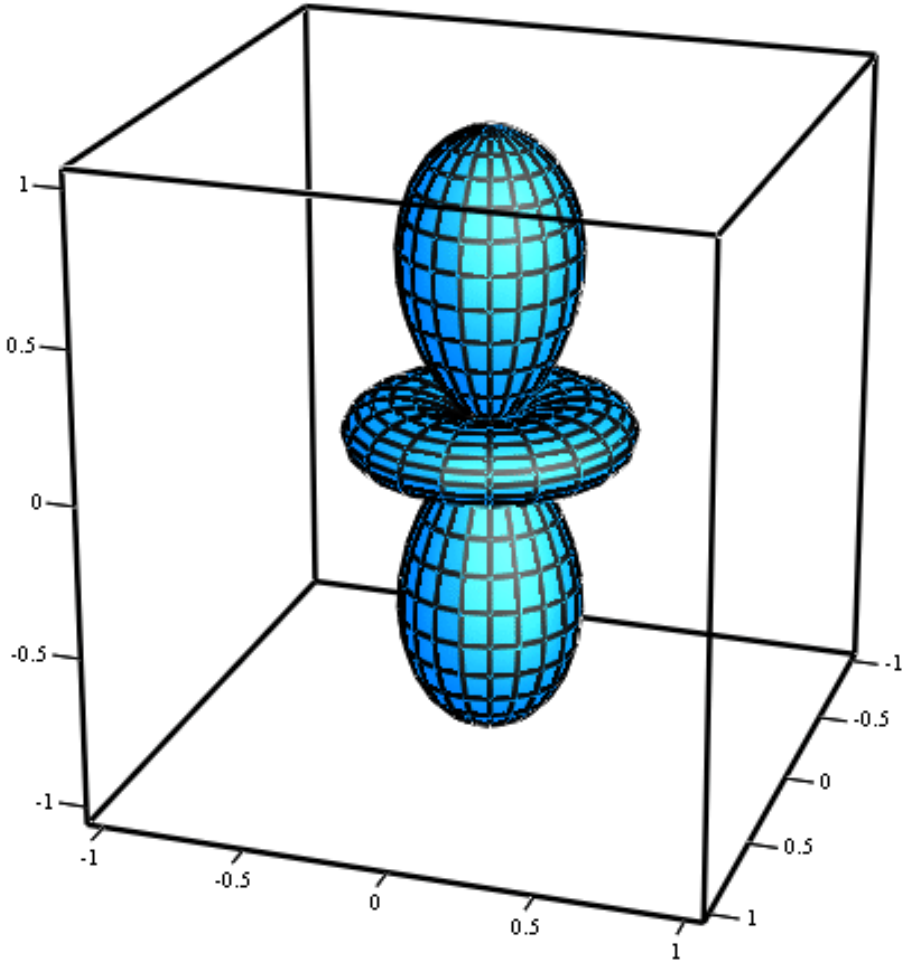

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5. Solutions of differential equations predict the behavior of a system. This is interesting for engineering.

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2. Numerical approaches may be touched upon.

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4. Need to be able to concentrate on long computations and to mentally fill in steps: Prepares for classes in which long computations are often dismissed as "just math".

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4. Accept that it is inappropriate for authors to fill in every detail. Text is written with the customary amount of detail, maybe a little more in places. Presentations fill in some of the gaps that you are expected to fill by yourself later.

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