

MIT MATHLETS

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Welcome to the MIT Interactive Mathematics Site!

Here you will find a suite of dynamic Java applets for use in learning about differential equations and other mathematical subjects, along with examples of how to use them in homework, group work, or lecture demonstration, and some of the underlying theory. We welcome your contributions, through the forum.

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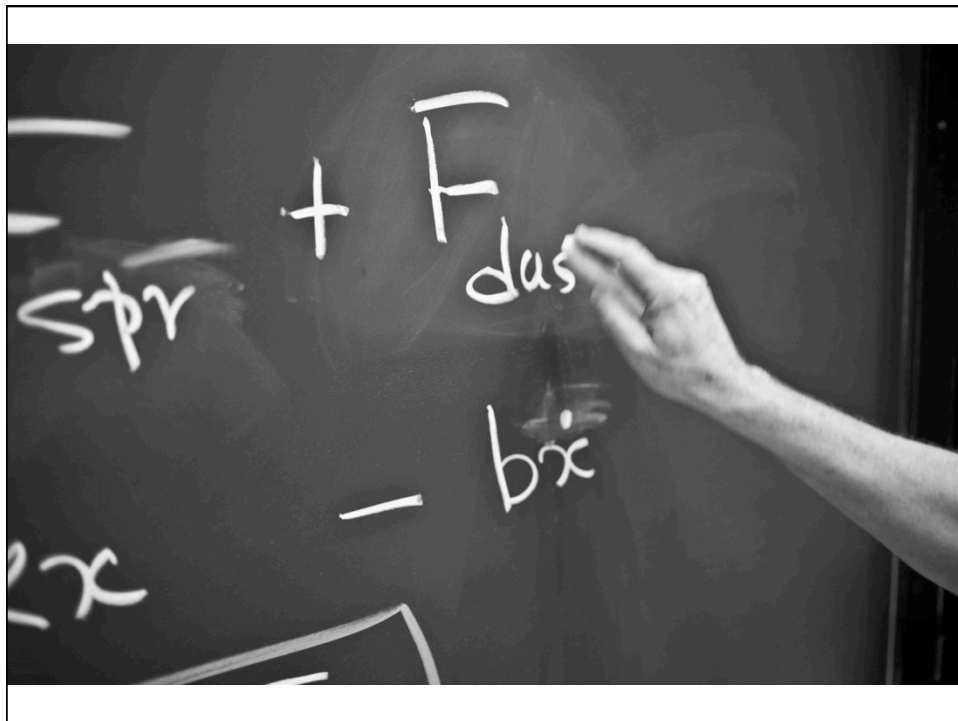
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- > New calculus Mathlets!
- > Taylor Polynomials in Aerospace Engineering
- > Stability in Aero-Astro
- > TEAL Meets the Mathlets

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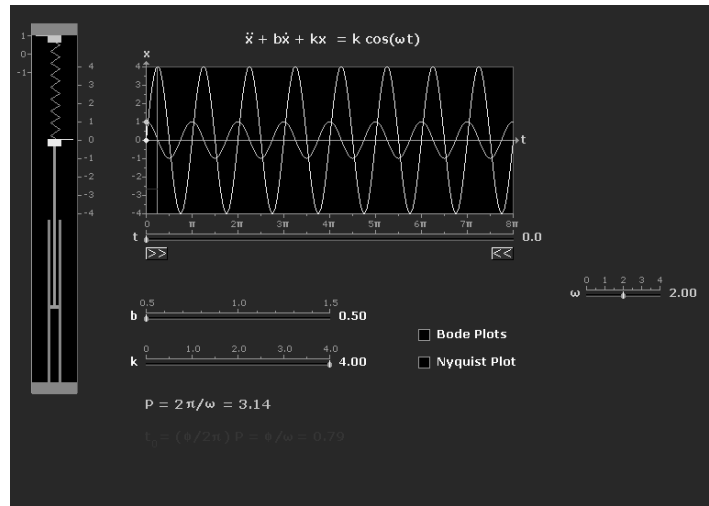
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Mathlets: An Introduction

Haynes Miller, Professor of Mathematics, MIT



Mathlet: Amplitude and Phase



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What's Here

- various styles of lecture
- Examples of their use in group work and homework
- Colleague-to-colleague commentary, sharing insights about the tips and pitfalls using this educational material
- Exercises to help you develop the skill of integrating this work into your own teaching

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Course Structure

Three Modules

- Module 1: Mathlet use in lecture
- Module 2: Mathlet use in group work
- Module 3: Mathlet use in homework

Each module contains two segments, each with commentary, and ends with a set of exercises.

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