MIT Mathlets

HOME   ABOUT   TRAINING   MATHLETS   COURSES   ACTIVITIES   DEMOS

MATHLETS

- Affine Coordinate Changes
- Amplitude and Phase: First Order
- Amplitude and Phase: Second Order I
- Amplitude and Phase: Second Order II
- Amplitude and Phase: Second Order III
- Amplitude and Phase: Second Order IV
- Amplitude Response: Pole Diagram
- Ballistic Trajectory
- Beats
- Beats with Sound
- Beta Distribution
- Bode and Nyquist Plots
- Complex Arithmetic
- Complex Exponential
- Complex Roots
- Confidence Intervals
- Conjugate Priors
- Convolution: Accumulation
- Convolution: Flip and Drag

- Coupled Oscillators
- Creating the Derivative
- Damped Vibrations
- Damped Wave Equation
- Damping Ratio
- Discrete Fourier Transform
- Eigenvalue Stability
- Euler's Method
- Forced Damped Vibration
- Forced Damped Vibration: Phasors
- Fourier Coefficients
- Fourier Coefficients: Complex with Sound
- Graph Features
- Graphing Rational Functions
- Harmonic Frequency Response: Variable Input Frequency
- Harmonic Frequency Response: Variable Natural Frequency
- Heat Equation
- Hypocycloids
- Impulse Response: Natural Frequency
- Impulse Response: Spring System
- Isoclines

- Linear Phase Portraits: Cursor Entry
- Linear Phase Portraits: Matrix Entry
- Linear Programming
- Linear Regression
- Linearized Trigonometry
- Matrix Vector
- Periodic Box
- Phase Lines
- Poles and Vibrations
- Probability Distributions
- Riemann Sums
- Secant Approximation
- Series RLC Circuit
- Sinusoids
- Solution Targets
- T Distribution
- Tangent Approximation
- Taylor Polynomials
- Trigonometric Identity
- Vector Fields
- Wave Equation
- Wheel