

Mathlets used during lectures.

L01 Isoclines
L02 Euler's Method
L03 -
L04 -
L05 -
L06 Complex Roots
(Complex Exponential)
L07 Trig Id
L08 Phase Lines
L09 -

L11 -
L12 Damped Vibrations
L13 Harmonic Frequency Response: Variable Input Frequency
L14 Amplitude and Phase: Second Order II
L15 -
L16 Amplitude and phase: Second Order II
(Amplitude and Phase: First Order)
(Amplitude and Phase: Second Order III)
L17 (Series RLC Circuit)
L18 -

L20 Fourier Coefficients
L21 Fourier Coefficients: Complex with Sound
L22 -
L23 -
L24 -
L25 Convolution: Accumulation
(Convolution: Flip and Drag)
L26 -
L27 -
L28 -
L29 (Amplitude Response: Pole Diagram)
(Poles and Vibrations)
L30 -

L32 -
L33 Linear Phase Portrait: Matrix Entry
Matrix Vector
L34 Linear Phase Portrait: Matrix Entry
L35 Linear Phase Portrait: Matrix Entry
Linear Phase Portrait: Cursor Entry
L36 -
L37 -
L38 -
L39 Vector Fields

MIT OpenCourseWare
<http://ocw.mit.edu>

18.03 Differential Equations
Spring 2010

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.