

APPH E3200x  
Lecture 4  
Ch. 3: Oscillations

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# Oscillators

- Linear harmonic oscillator (Secs. 3.1 – 3.5)
  - Undamped harmonic oscillator
  - Energy
  - Phase space and phase plots
  - Damping
- Driven oscillator (Sec. 3.6)
- Adiabatic invariants
- Solving for oscillations with a computer

