MATH 420 — HOMEWORK 9.

due on Friday, November 9.

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Topics:
  • 4 Forcing and Resonance
    – 4.1 Forced Harmonic Oscillators
    – 4.2 Sinusoidal Forcing
    – 4.3 Undamped Forcing and Resonance
    – 4.4 Amplitude and Phase of the Steady State

Ninth Homework Assignment.

Reading:
  • Read Sections 4.1, 4.2, 4.3 and 4.4.

Problems:
  • Section 4.1, Page 399, problems: 2, 4, 12, 18, 40
  • Section 4.2, Page 412, problems: 2, 4, 20
  • Section 4.3, Page 424, problems: 6, 12, 21
  • Section 4.4, Page 436, problems: 4, 6, 8