MATH 420 — HOMEWORK 10.

due on Friday, November 16.

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Topics:

- **4 Forcing and Resonance**
  - 4.4 Amplitude and Phase of the Steady State
- **5 Nonlinear Systems**
  - 5.1 Equilibrium Point Analysis
  - 5.2 Qualitative Analysis

Tenth Homework Assignment.

Reading:

- Read Sections 5.1 and 5.2.

Problems:

- Section 5.1, Page 472, problems: 2, 4, 8, 12, 17, 18, 24
- Section 5.2, Page 487, problems: 2, 4, 10, 21, 22