M E 543: Linear Systems and Controls

Mechanical Engineering

Investigating how to model, analyze, and control linear dynamical systems such as a robotic arm or an inverted pendulum. Topics include state-space systems, dynamical systems, matrix exponential, eigenvalue tests, Lyapunov functions, controllability and observability.

3 Credits

Prerequisites

- Pre-requisite: Engr 330 or El E 351 or El E 431 or Graduate Standing.
- Prerequiste: Junior standing (60 hr).

Instruction Type(s)

- Lecture: Lecture for M E 543

Subject Areas

- Mechanical Engineering

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