C E 511: Structural Dynamics

CIVIL ENGINEERING

Response of linear SDOF and MDOF systems. Application to frame vibration in complex structures; introduction to continuous systems; modal analysis for steady-state and transient response under dynamic loads in various applications; computer simulation.

3 Credits

Prerequisites

- Math 353: Elementary Differential Equations
- C E 311: Structural Analysis

Instruction Type(s)

- Lecture: Lecture for C E 511

Subject Areas

- Civil Engineering, General
- Structural Engineering

Related Areas

- Civil Engineering, Other
- Geotechnical and Geoenvironmental Engineering
- Transportation and Highway Engineering
- Water Resources Engineering

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