

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Civil Engineering - NOC:Structural Dynamics for Civil Engineers - SDOF Systems

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Co-ordinating Institute - IIT - Kanpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Structural Dynamics
Lecture 2 - Modelling of Dynamic System
Lecture 3 - Undamped Free vibration
Lecture 4 - Damped Free Vibrations
Lecture 5 - Coulomb Damped Free Vibrations
Lecture 6 - Forced Vibrations - Part 1
Lecture 7 - Forced Vibrations - Part 2
Lecture 8 - Examples
Lecture 9 - Harmonic Vibration Examples
Lecture 10 - Vibrations under Periodic Forces
Lecture 11 - Energy and Damping
Lecture 12 - Response to Arbitrary excitations
Lecture 13 - Response to Pulse Excitations