NPTEL Video Course - Mechanical Engineering - NOC:Finite Element Method: Variational Methods to Computer Prog

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Co-ordinating Institute - IIT - Guwahati

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

Lecture 30 - Superconvergent Patch Recovery, error estimator, adaptive refinement
Lecture 31 - Solving eigenvalue problem in bar and beam, writing FEM code in MATLAB
Lecture 32 - Solving eigenvalue problem of membrane, writing FEM code in MATLAB
Lecture 33 - Solving transient problems (parabolic type)
Lecture 34 - Solving transient problems (hyperbolic type)
Lecture 35 - Solving elasticity problems in 3D using FEM, Solvers