

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

NPTEL Video Course - Mathematics - NOC:Advanced Computational Techniques

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Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Polynomial Interpolation
- Lecture 2 - Polynomial Interpolation
- Lecture 3 - Polynomial Interpolation
- Lecture 4 - Spline Interpolation
- Lecture 5 - Spline Interpolation
- Lecture 6 - Numerical Quadrature
- Lecture 7 - Numerical Quadrature (Continued...)
- Lecture 8 - Least Squares Approximation
- Lecture 9 - Linear System of Equations
- Lecture 10 - Linear System of Equations (Continued...)
- Lecture 11 - Initial Value Problems (IVP)
- Lecture 12 - Initial Value Problems (Continued...)
- Lecture 13 - Initial Value Problems (Continued...)
- Lecture 14 - Initial Value Problems (Continued...)
- Lecture 15 - Linear Boundary Value Problem (BVP)
- Lecture 16 - Linear Boundary Value Problem (BVP) (Continued...)
- Lecture 17 - Non-linear BVP, Iterative Method
- Lecture 18 - Linear Parabolic PDE
- Lecture 19 - Hyperbolic PDE
- Lecture 20 - Non-linear advection-diffusion equation