

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

NPTEL Video Course - Electrical Engineering - NOC:Advanced Microwave Guided-Structures and Analysis

Subject Co-ordinator - Prof. Bratin Ghosh

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Scattering Matrix Concepts
- Lecture 2 - Scattering Matrix Concepts (Continued...)
- Lecture 3 - Scattering Matrix Concepts (Continued...)
- Lecture 4 - Scattering Matrix Concepts (Continued...)
- Lecture 5 - Scattering Matrix Concepts Tutorials
- Lecture 6 - Scattering Matrix Concepts Tutorials (Continued...)
- Lecture 7 - Scattering Matrix Concepts Tutorials (Continued...)
- Lecture 8 - Instantaneous form of Maxwell's equations
- Lecture 9 - Instantaneous form of Maxwell's equations (Continued...)
- Lecture 10 - Instantaneous form of Maxwell's equations (Continued...)
- Lecture 11 - Instantaneous form of Maxwell's equations (Continued...)
- Lecture 12 - Instantaneous form of Maxwell's equations (Continued...)
- Lecture 13 - Instantaneous form of Maxwell's equations Tutorials
- Lecture 14 - Instantaneous form of Maxwell's equations Tutorials (Continued...)
- Lecture 15 - Harmonic form of Maxwell's equations
- Lecture 16 - Harmonic form of Maxwell's equations (Continued...)
- Lecture 17 - Harmonic form of Maxwell's equations (Continued...)
- Lecture 18 - Harmonic form of Maxwell's equations Tutorials
- Lecture 19 - Wave Equation and Solution
- Lecture 20 - Relation between wavenumbers
- Lecture 21 - Radiation from an electric current source (Continued...)
- Lecture 22 - Radiation from an electric current source (Continued...)
- Lecture 23 - Radiation from an electric current source (Continued...)
- Lecture 24 - Wave Equation and Solution Tutorials
- Lecture 25 - Radiation from an electric current source Tutorials
- Lecture 26 - Radiation from a magnetic current source
- Lecture 27 - Radiation from a magnetic current source (Continued...)
- Lecture 28 - Radiation from a magnetic current source (Continued...)
- Lecture 29 - Application of the magnetic current source (Continued...)

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- Lecture 30 - Radiation from a magnetic current source Tutorials
- Lecture 31 - Radiation from a magnetic current source Tutorials (Continued....)
- Lecture 32 - Rectangular waveguide - I
- Lecture 33 - Rectangular waveguide - I Tutorials
- Lecture 34 - Rectangular waveguide - II
- Lecture 35 - Rectangular waveguide - II (Continued...)
- Lecture 36 - Rectangular waveguide - II Tutorials
- Lecture 37 - Rectangular waveguide - II Tutorials (Continued...)
- Lecture 38 - Rectangular cavity resonator
- Lecture 39 - Rectangular cavity resonator Tutorials
- Lecture 40 - Rectangular cavity resonator Tutorials (Continued...)
- Lecture 41 - The Reciprocity Theorem, Computation of Amplitudes of Forward and Backward (Continued...)
- Lecture 42 - The Reciprocity Theorem, Computation of Amplitudes of Forward and Backward (Continued...)
- Lecture 43 - The Reciprocity Theorem, Computation of Amplitudes Tutorials
- Lecture 44 - The Reciprocity Theorem, Computation of Amplitudes Tutorials (Continued...)
- Lecture 45 - Analysis of Guided Structures
- Lecture 46 - Analysis of Guided Structures (Continued...)
- Lecture 47 - Analysis of Guided Structures (Continued...)
- Lecture 48 - Analysis of Guided Structures (Continued...)
- Lecture 49 - Analysis of Guided Structures (Continued...)
- Lecture 50 - Analysis of Guided Structures (Continued...)
- Lecture 51 - Analysis of Guided Structures (Continued...)
- Lecture 52 - Analysis of Guided Structures (Continued...)
- Lecture 53 - Analysis of Guided Structures (Continued...)
- Lecture 54 - Analysis of Guided Structures (Continued...)
- Lecture 55 - Analysis of Guided Structures (Continued...)
- Lecture 56 - Analysis of Guided Structures (Continued...)
- Lecture 57 - Analysis of Guided Structures Tutorials
- Lecture 58 - Analysis of Guided Structures Tutorials (Continued...)
- Lecture 59 - Cylindrical Wave Functions
- Lecture 60 - Cylindrical Wave Functions (Continued...)
- Lecture 61 - Cylindrical Wave Functions (Continued...)
- Lecture 62 - Circular Waveguide
- Lecture 63 - Circular Cavity
- Lecture 64 - Cylindrical Wave Functions Tutorials
- Lecture 65 - Cylindrical Wave Functions Tutorials (Continued...)
- Lecture 66 - Application to the Coupling Problem : Aperture-Coupled, Probe-Coupled and Waveguide
- Lecture 67 - Application to the Coupling Problem : Aperture-Coupled, Probe-Coupled and Waveguide (Continued...)
- Lecture 68 - Application to the Coupling Problem : Aperture-Coupled, Probe-Coupled and Waveguide (Continued...)

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Lecture 69 - Application to the Coupling Problem : Aperture-Coupled, Probe-Coupled and Waveguide (Continued..)