

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

NPTEL Video Course - Chemical Engineering - NOC:Infrared Spectroscopy for Pollution Monitoring

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Co-ordinating Institute - IISc - Bangalore

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

- Lecture 1 - Introduction to Analytical Science and Infrared Spectroscopy
- Lecture 2 - Environmental Analytical Science
- Lecture 3 - Techniques of Elemental Analysis
- Lecture 4 - Atomic Structure - I
- Lecture 5 - Atomic Structure - II
- Lecture 6 - Atomic Structure - III
- Lecture 7 - Atomic Structure - IV
- Lecture 8 - Interaction of electromagnetic radiation with matter - I
- Lecture 9 - Interaction of electromagnetic radiation with matter - II
- Lecture 10 - Interaction of electromagnetic radiation with matter - III
- Lecture 11 - Interaction of electromagnetic radiation with matter - IV
- Lecture 12 - Interaction of electromagnetic radiation with matter - V
- Lecture 13 - Interaction of electromagnetic radiation with matter - VI
- Lecture 14 - Infrared spectroscopy - Introduction
- Lecture 15 - Infra Red Instrumentation
- Lecture 16 - Fourier Transform Infrared Spectroscopy
- Lecture 17 - Sample Handling in IR
- Lecture 18 - Instrumentation in IR
- Lecture 19 - Applications of IR
- Lecture 20 - IR Spectra Interpretation
- Lecture 21 - IR Gas Analysers

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