

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

NPTEL Video Course - Basic Courses (Semester 1 and 2) - Engineering Physics I

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Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Introduction
- Lecture 2 - Malus law & Superposition of ways
- Lecture 3 - Double Refraction
- Lecture 4 - Interference of polarized light
- Lecture 5 - Optical Activity
- Lecture 6 - Introduction
- Lecture 7 - Stationary Waves & Reflection, Refraction and Diffraction
- Lecture 8 - Ultrasonics
- Lecture 9 - Acoustics of Buildings - Part I
- Lecture 10 - Acoustics of Buildings - Part II
- Lecture 11 - Interference of light Part-1
- Lecture 12 - Interference of light Part-2
- Lecture 13 - Interference of light Part-3
- Lecture 14 - Interference by Division of Wave front
- Lecture 15 - Interference by Division of Amplitude
- Lecture 16 - Coherence and Application of Interference
- Lecture 17 - Diffraction Part-1
- Lecture 18 - Diffraction Part-2
- Lecture 19 - Diffraction Part-3
- Lecture 20 - Diffraction by a circular aperture
- Lecture 21 - Kinetic theory of gases - Part-1
- Lecture 22 - Kinetic theory of gases - Part-2
- Lecture 23 - Maxwellian distribution law of velocity - Part-1
- Lecture 24 - Maxwellian distribution law of velocity - Part-2
- Lecture 25 - Maxwellian distribution law of velocity - Part-3
- Lecture 26 - Vanderwaal's equation of states - Part-1
- Lecture 27 - Vanderwaal's equation of states - Part-2
- Lecture 28 - Vanderwaal's equation of states - Part-3
- Lecture 29 - Fluid Mechanics - Part-1

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

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- Lecture 30 - Fluid Mechanics - Part-2
- Lecture 31 - Introduction of special relativity
- Lecture 32 - Consequences of special relativity-1
- Lecture 33 - Consequences of special relativity-2
- Lecture 34 - Consequences of special relativity-3
- Lecture 35 - Consequences of special relativity-4
- Lecture 36 - Consequences of special relativity-5
- Lecture 37 - Introduction
- Lecture 38 - Image formation by lenses
- Lecture 39 - Lens aberrations - Part I
- Lecture 40 - Lens aberrations - Part II