

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

NPTEL Video Course - Mechanical Engineering - NOC:Theory of Fire Propagation (Fire Dynamics)

Subject Co-ordinator - Prof. V. Raghavan

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Basics of Fire - Part 1  
Lecture 2 - Basics of Fire - Part 2  
Lecture 3 - Basics of Fire - Part 3  
Lecture 4 - Basics of Fire - Part 4  
Lecture 5 - Basics of Fire - Part 5  
Lecture 6 - Basics of Fire - Part 6  
Lecture 7 - Basics of Fire - Part 7  
Lecture 8 - Basics of Fire - Part 8  
Lecture 9 - Basics of Fire - Part 9  
Lecture 10 - Review of thermo-chemistry, chemical equilibrium and kinetics - Part 1  
Lecture 11 - Review of thermo-chemistry, chemical equilibrium and kinetics - Part 2  
Lecture 12 - Review of thermo-chemistry, chemical equilibrium and kinetics - Part 3  
Lecture 13 - Review of thermo-chemistry, chemical equilibrium and kinetics - Part 4  
Lecture 14 - Review of thermo-chemistry, chemical equilibrium and kinetics - Part 5  
Lecture 15 - Review of thermo-chemistry, chemical equilibrium and kinetics - Part 6  
Lecture 16 - Review of thermo-chemistry, chemical equilibrium and kinetics - Part 7  
Lecture 17 - Review of thermo-chemistry, chemical equilibrium and kinetics - Part 8  
Lecture 18 - Review of Premixed and Diffusion Flames - Part 1  
Lecture 19 - Review of Premixed and Diffusion Flames - Part 2  
Lecture 20 - Review of Premixed and Diffusion Flames - Part 3  
Lecture 21 - Review of Premixed and Diffusion Flames - Part 4  
Lecture 22 - Review of Premixed and Diffusion Flames - Part 5  
Lecture 23 - Review of Premixed and Diffusion Flames - Part 6  
Lecture 24 - Review of Premixed and Diffusion Flames - Part 7  
Lecture 25 - Review of Premixed and Diffusion Flames - Part 8  
Lecture 26 - Burning of Liquid Fuels- Part 1  
Lecture 27 - Burning of Liquid Fuels- Part 2  
Lecture 28 - Burning of Liquid Fuels- Part 3  
Lecture 29 - Burning of Liquid Fuels- Part 4

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- Lecture 30 - Burning of Liquid Fuels- Part 5
- Lecture 31 - Burning of Liquid Fuels- Part 6
- Lecture 32 - Burning of Liquid Fuels- Part 7
- Lecture 33 - Burning of Liquid Fuels- Part 8
- Lecture 34 - Burning of Solid Fuels - Part 1
- Lecture 35 - Burning of Solid Fuels - Part 2
- Lecture 36 - Burning of Solid Fuels - Part 3
- Lecture 37 - Burning of Solid Fuels - Part 4
- Lecture 38 - Burning of Solid Fuels - Part 5
- Lecture 39 - Burning of Solid Fuels - Part 6
- Lecture 40 - Burning of Solid Fuels - Part 7
- Lecture 41 - Analysis of Fire Plumes - Part 1
- Lecture 42 - Analysis of Fire Plumes - Part 2
- Lecture 43 - Analysis of Fire Plumes - Part 3
- Lecture 44 - Analysis of Fire Plumes - Part 4
- Lecture 45 - Analysis of Fire Plumes - Part 5
- Lecture 46 - Analysis of Fire Plumes - Part 6
- Lecture 47 - Enclosure Fires - Part 1
- Lecture 48 - Enclosure Fires - Part 2
- Lecture 49 - Enclosure Fires - Part 3
- Lecture 50 - Enclosure Fires - Part 4
- Lecture 51 - Enclosure Fires - Part 5
- Lecture 52 - Enclosure Fires - Part 6
- Lecture 53 - Enclosure Fires - Part 7
- Lecture 54 - Introduction to dust ignition, dust explosion and forest fires - Part 1
- Lecture 55 - Introduction to dust ignition, dust explosion and forest fires - Part 2
- Lecture 56 - Introduction to dust ignition, dust explosion and forest fires - Part 3
- Lecture 57 - Introduction to dust ignition, dust explosion and forest fires - Part 4
- Lecture 58 - Introduction to dust ignition, dust explosion and forest fires - Part 5
- Lecture 59 - Fire safety aspects - Part 1
- Lecture 60 - Fire safety aspects - Part 2
- Lecture 61 - Fire safety aspects - Part 3