

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

NPTEL Video Course - Chemical Engineering - NOC:CFD Applications in Chemical Processes

Subject Co-ordinator - Prof. Arnab Atta

Co-ordinating Institute - IIT Kharagpur

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

Lecture 1 - Introduction  
Lecture 2 - Introduction  
Lecture 3 - Introduction  
Lecture 4 - Introduction  
Lecture 5 - Introduction  
Lecture 6 - Fundamentals of Fluid Flow and Heat Transfer  
Lecture 7 - Fundamentals of Fluid Flow and Heat Transfer  
Lecture 8 - Boundary Conditions  
Lecture 9 - Boundary Conditions  
Lecture 10 - Basics of Finite Volume Method  
Lecture 11 - Numerical Methods for CFD  
Lecture 12 - Numerical Methods for CFD  
Lecture 13 - Numerical Methods for CFD  
Lecture 14 - Numerical Methods for CFD  
Lecture 15 - Numerical Methods for CFD  
Lecture 16 - Finite Volume Method  
Lecture 17 - Finite Volume Method  
Lecture 18 - Finite Volume Method  
Lecture 19 - Finite Volume Method  
Lecture 20 - Finite Volume Method  
Lecture 21 - Finite Volume Method  
Lecture 22 - Finite Volume Method  
Lecture 23 - Finite Volume Method  
Lecture 24 - Finite Volume Method  
Lecture 25 - Finite Volume Method  
Lecture 26 - Finite Volume Method  
Lecture 27 - Pressure-velocity coupling  
Lecture 28 - Pressure-velocity coupling  
Lecture 29 - Pressure-velocity coupling

---

Get DIGIMAT For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

<http://www.digimat.in>

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

---

- Lecture 30 - Pressure-velocity coupling
- Lecture 31 - CFD Tools and Modeling Single-phase System
- Lecture 32 - CFD Tools and Modeling Single-phase System
- Lecture 33 - CFD Tools and Modeling Single-phase System
- Lecture 34 - CFD Tools and Modeling Single-phase System
- Lecture 35 - CFD Tools and Modeling Single-phase System
- Lecture 36 - Modeling Multiphase Systems
- Lecture 37 - Modeling Multiphase Systems
- Lecture 38 - Modeling Multiphase Systems
- Lecture 39 - Modeling Multiphase Systems
- Lecture 40 - Modeling Multiphase Systems
- Lecture 41 - Modeling Multiphase Systems
- Lecture 42 - Modeling Multiphase Systems
- Lecture 43 - Modeling Multiphase Systems
- Lecture 44 - Modeling Multiphase Systems
- Lecture 45 - Modeling Multiphase Systems
- Lecture 46 - Modeling Multiphase Systems
- Lecture 47 - Turbulence Modeling
- Lecture 48 - Turbulence Modeling
- Lecture 49 - Turbulence Modeling
- Lecture 50 - Turbulence Modeling
- Lecture 51 - Turbulence Modeling
- Lecture 52 - Turbulence Modeling
- Lecture 53 - Turbulence Modeling
- Lecture 54 - Turbulence Modeling
- Lecture 55 - Turbulence Modeling
- Lecture 56 - CFD in Reaction Engineering
- Lecture 57 - CFD in Reaction Engineering
- Lecture 58 - CFD in Reaction Engineering
- Lecture 59 - Validation and Troubleshooting in CFD
- Lecture 60 - Validation and Troubleshooting in CFD