

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

NPTEL Video Course - Aerospace Engineering - NOC:Aerodynamic Design of Axial Flow Compressors and Fans

Subject Co-ordinator - Prof. Chetankumar Sureshbhai Mistry

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction
Lecture 2 - Introduction (Continued...)
Lecture 3 - Introduction (Continued...)
Lecture 4 - Introduction (Continued...)
Lecture 5 - Introduction (Continued...)
Lecture 6 - Introduction (Continued...)
Lecture 7 - Stage Configurations and Parameters
Lecture 8 - Stage Configurations and Parameters (Continued...)
Lecture 9 - Stage Configurations and Parameters (Continued...)
Lecture 10 - Stage Configurations and Parameters (Continued...)
Lecture 11 - Stage Configurations and Parameters (Continued...)
Lecture 12 - Stage Configurations and Parameters (Continued...)
Lecture 13 - Stage Configurations and Parameters (Continued...)
Lecture 14 - Stage Configurations and Parameters (Continued...)
Lecture 15 - Stage Configurations and Parameters (Continued...)
Lecture 16 - Design Concepts
Lecture 17 - Design Concepts (Continued...)
Lecture 18 - Design Concepts (Continued...)
Lecture 19 - Design Concepts (Continued...)
Lecture 20 - Design Concepts (Continued...)
Lecture 21 - Design Concepts (Continued...)
Lecture 22 - Design Concepts (Continued...)
Lecture 23 - Cascade Aerodynamics
Lecture 24 - Cascade Aerodynamics (Continued...)
Lecture 25 - Cascade Aerodynamics (Continued...)
Lecture 26 - Cascade Aerodynamics (Continued...)
Lecture 27 - Cascade Aerodynamics (Continued...)
Lecture 28 - Selection of Design Parameters
Lecture 29 - Selection of Design Parameters (Continued...)

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- Lecture 30 - Selection of Design Parameters (Continued...)
- Lecture 31 - Selection of Design Parameters (Continued...)
- Lecture 32 - Selection of Design Parameters (Continued...)
- Lecture 33 - Design Strategies
- Lecture 34 - Design Strategies (Continued...)
- Lecture 35 - Design Strategies (Continued...)
- Lecture 36 - Design Strategies (Continued...)
- Lecture 37 - Design of Low Speed Compressor
- Lecture 38 - Design of Low Speed Compressor (Continued...)
- Lecture 39 - Design of Low Speed Compressor (Continued...)
- Lecture 40 - Design of Low Speed Compressor (Continued...)
- Lecture 41 - Design of Low Speed Compressor (Continued...)
- Lecture 42 - Design of Low Speed Compressor (Continued...)
- Lecture 43 - Design of Low Speed Contra rotating Fan
- Lecture 44 - Design of Low Speed Contra rotating Fan (Continued...)
- Lecture 45 - Design of Low Speed Contra rotating Fan (Continued...)
- Lecture 46 - Design of Low Speed Contra rotating Fan (Continued...)
- Lecture 47 - Design of Low Speed Contra rotating Fan (Continued...)
- Lecture 48 - Design of Low Speed Contra rotating Fan (Continued...)
- Lecture 49 - Transonic Compressors
- Lecture 50 - Transonic Compressors (Continued...)
- Lecture 51 - Transonic Compressors (Continued...)
- Lecture 52 - Transonic Compressors (Continued...)
- Lecture 53 - Transonic Compressors (Continued...)
- Lecture 54 - Design of Transonic Compressor
- Lecture 55 - Design of Transonic Compressor (Continued...)
- Lecture 56 - Design of Transonic Compressor (Continued...)
- Lecture 57 - Design of Transonic Compressor (Continued...)
- Lecture 58 - Design of Transonic Compressor (Continued...)
- Lecture 59 - Design of Transonic Compressor (Continued...)
- Lecture 60 - Design of Industrial fan
- Lecture 61 - Design of Industrial fan (Continued...)
- Lecture 62 - Design of Industrial fan (Continued...)
- Lecture 63 - Design of Industrial fan (Continued...)
- Lecture 64 - Design of Industrial fan (Continued...)
- Lecture 65 - CFD application to Design and Performance assessment
- Lecture 66 - CFD application to Design and Performance assessment (Continued...)
- Lecture 67 - CFD application to Design and Performance assessment (Continued...)
- Lecture 68 - CFD application to Design and Performance assessment (Continued...)

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Lecture 69 - CFD application to Design and Performance assessment (Continued...)