

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

NPTEL Video Course - Mechanical Engineering - NOC: Fundamentals of Compressible Flow

Subject Co-ordinator - Prof. Niranjan Sahoo

Co-ordinating Institute - IIT - Guwahati

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

Lecture 1 - Review Concepts of Fluid Mechanics and Thermodynamics - I
Lecture 2 - Review Concepts of Fluid Mechanics and Thermodynamics - II
Lecture 3 - Review Concepts of Fluid Mechanics and Thermodynamics - III
Lecture 4 - Wave Propagation in Compressible Medium - I
Lecture 5 - Wave Propagation in Compressible Medium - II
Lecture 6 - Wave Propagation in Compressible Medium - III
Lecture 7 - Quasi-One Dimensional Isentropic Flow - I
Lecture 8 - Quasi-One Dimensional Isentropic Flow - II
Lecture 9 - Quasi-One Dimensional Isentropic Flow - III
Lecture 10 - Normal Shock Waves - I
Lecture 11 - Normal Shock Waves - II
Lecture 12 - Normal Shock Waves - III
Lecture 13 - Normal Shock Waves - IV
Lecture 14 - Expansion Waves and Oblique Shocks - I
Lecture 15 - Expansion Waves and Oblique Shocks - II
Lecture 16 - Expansion Waves and Oblique Shocks - III
Lecture 17 - Expansion Waves and Oblique Shocks - IV
Lecture 18 - Expansion Waves and Oblique Shocks - V
Lecture 19 - Expansion Waves and Oblique Shocks - VI
Lecture 20 - Supersonic Nozzles and Diffusers - I
Lecture 21 - Supersonic Nozzles and Diffusers - II
Lecture 22 - Supersonic Nozzles and Diffusers - III
Lecture 23 - Measurement Diagnostics and Experimental Facilities for Compressible Flow - II
Lecture 24 - Compressible Flow with Friction and Heat Transfer - II
Lecture 25 - Compressible Flow with Friction and Heat Transfer - III
Lecture 26 - Measurement Diagnostics and Experimental Facilities for Compressible Flow - I
Lecture 27 - Measurement Diagnostics and Experimental Facilities for Compressible Flow - II
Lecture 28 - Measurement Diagnostics and Experimental Facilities for Compressible Flow - III
Lecture 29 - Measurement Diagnostics and Experimental Facilities for Compressible Flow - IV

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Lecture 30 - Measurement Diagnostics and Experimental Facilities for Compressible Flow - V
Lecture 31 - Measurement Diagnostics and Experimental Facilities for Compressible Flow - VI