NPTEL Video Course - Mechanical Engineering - NOC:Introduction to Fluid Mechanics (2019)

Subject Co-ordinator - Prof. Suman Chakraborty

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 30 - Circulation, Velocity Potential
Lecture 31 - Euler's equation
Lecture 32 - Bernoulliâ s equation - Part I
Lecture 33 - Bernoulliâ s equation - Part II
Lecture 34 - Bernoulli's equation - Part III
Lecture 35 - Eulerâ s equation in streamline coordinates
Lecture 36 - Problems and Solutions
Lecture 37 - Problems and Solutions
Lecture 38 - Application of Bernoulli's equation - Part I
Lecture 39 - Application of Bernoulli's equation - Part II
Lecture 40 - Application of Bernoulli's equation - Part III
Lecture 41 - Reynolds Transport Theorem (RTT)
Lecture 42 - Application of RTT
Lecture 43 - Problems and Solutions
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Lecture 45 - Application of RTT
Lecture 46 - Problems and Solutions
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Lecture 48 - Problems and Solutions
Lecture 49 - Application of RTT
Lecture 50 - Problems and Solutions
Lecture 51 - Navier-Stokes equation - Part I
Lecture 52 - Navier-Stokes equation - Part II
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Lecture 54 - Navier-Stokes equation - Part IV
Lecture 55 - Pipe Flow - Part I
Lecture 56 - Pipe Flow - Part II
Lecture 57 - Pipe Flow - Part III
Lecture 58 - Pipe Flow - Part IV
Lecture 59 - Principle of Similarity and Dynamical Analysis - Part I
Lecture 60 - Principle of Similarity and Dynamical Analysis - Part II