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

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NPTEL Video Course - Civil Engineering - Hydraulics
Subject Co-ordinator - Prof. Arup Kumar Sharma
Co-ordinating Institute - IIT - Guwahati
Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable
Lecture 1 - Introduction to Hydraulics
Lecture 2 - Open Channel Hydraulics - Part 1
Lecture 3 - Open Channel Hydraulics - Part 2
Lecture 4 - Velocity and Pressure Distribution
Lecture 5 - Practical use of velocity co-efficient in channel flow
Lecture 6 - Conservation Principles & ioioGoverning Equations
Lecture 7 - Uniform Flow
Lecture 8 - Uniform Flow Formula
Lecture 9 - Computation of Uniform Flow - Part 1
Lecture 10 - Computation of Uniform Flow - Part 2
Lecture 11 - Uniform Flow in Mobile Boundary Channel
Lecture 12 - Incipient Motion Condition and Regime of Flow
Lecture 13 - Concept of Specific Energy
Lecture 14 - Computation of Critical Depth
Lecture 15 - Specific Force, Critical Depth & Sequent Depth
Lecture 16 - Non-uniform Flow
Lecture 17 - Classification of Gradually Varied Flow
Lecture 18 - Characteristic of Gradually Varied Flow
Lecture 19 - Characteristic of Gradually Varied Flow & its Computation
Lecture 20 - Gradually Varied Flow & its Computation
Lecture 21 - Computation of Gradually Varied Flow
Lecture 22 - Gradually Varied Flow
Lecture 23 - Rapidly Varied Flow
Lecture 24 - Hydraulic Jump
Lecture 25 - Flow Over Hump and Channel Contraction
Lecture 26 - Canal Design - 1
Lecture 27 - Canal Design - 2
Lecture 28 - Design of Alluvial Channel - 1
Lecture 29 - Design of Alluvial Channel - 2
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Lecture 30 - Design of Alluvial Channel - 3
Lecture 31 - Unsteady Flow
Lecture 32 - Unsteady Flow Part - 2
Lecture 33 - Unsteady Flow Part - 3
Lecture 34 - Pipe Flow
Lecture 35 - Pipe Flow
Lecture 36 - Pipe in Series & Parallel
Lecture 37 - Pipe Network Analysis
Lecture 38 - Water Hammer & Surge Tank
Lecture 39 - Pipe Flow Friction Loss
Lecture 40 - Pipe Flow
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