

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

NPTEL Video Course - Ocean Engineering - NOC:Marine Propulsion

Subject Co-ordinator - Prof. Anirban Bhattacharyya

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction
Lecture 2 - Propeller Geometry
Lecture 3 - Propeller Geometry (Continued...)
Lecture 4 - Propeller Theory - I
Lecture 5 - Propeller Theory - II
Lecture 6 - Propeller Theory - III
Lecture 7 - Propeller Theory - IV
Lecture 8 - Propeller Theory - V
Lecture 9 - Propeller Theory - VI
Lecture 10 - Propeller Theory - VII
Lecture 11 - Propeller in Open Water
Lecture 12 - Dimensional Analysis and Similarity
Lecture 13 - Propeller Open Water Characteristics
Lecture 14 - Propeller Open Water Characteristics (Continued...)
Lecture 15 - Methodical Propeller Series
Lecture 16 - Hull-Propeller Interaction
Lecture 17 - Hull-Propeller Interaction (Continued...)
Lecture 18 - Ship Powering and Efficiency Components
Lecture 19 - Engine-Propeller Matching - Part I
Lecture 20 - Engine-Propeller Matching - Part II
Lecture 21 - Propeller Model Tests - Part I
Lecture 22 - Propeller Model Tests - Part II
Lecture 23 - Propeller Model Tests - Part III
Lecture 24 - Propeller Cavitation - Part I
Lecture 25 - Propeller Cavitation - Part II
Lecture 26 - Propeller Strength - Part I
Lecture 27 - Propeller Strength - Part II
Lecture 28 - Propeller Design - Part I
Lecture 29 - Propeller Design - Part II

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- Lecture 30 - Propeller Design - Part III
- Lecture 31 - Controllable Pitch Propeller
- Lecture 32 - Ducted Propeller
- Lecture 33 - Ducted Propeller (Continued...)
- Lecture 34 - Problems on Propeller Performance
- Lecture 35 - Surface Piercing Propeller, Podded Propeller, Thruster
- Lecture 36 - Waterjet Propulsion
- Lecture 37 - Unconventional Propulsors
- Lecture 38 - Unconventional Propulsors (Continued...)
- Lecture 39 - Miscellaneous Topics
- Lecture 40 - Energy Saving Devices