NPTEL Video Course - Ocean Engineering - NOC:Numerical Ship and Offshore Hydrodynamics

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Co-ordinating Institute - IIT - Kharagpur

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

Lecture 30 - IRF Based Solution - Part 1
Lecture 31 - IRF Based Solution - Part 2
Lecture 32 - Time Domain Solution Using IRF
Lecture 33 - Time Domain Solution Using IRF (Continued...)
Lecture 34 - Numerical Computation of IRF Based Method
Lecture 35 - Numerical Computation of IRF Based Method (Continued...)
Lecture 36 - Forward Speed Effects
Lecture 37 - Strip Theory - Part 1
Lecture 38 - Strip Theory - Part 2
Lecture 39 - Strip Theory - Part 3
Lecture 40 - Strip Theory - Part 4
Lecture 41 - Strip Theory - Part 5
Lecture 42 - Strip Theory - Part 6
Lecture 43 - Strip Theory - Part 7
Lecture 44 - Time Domain Panel Method
Lecture 45 - Time Domain Panel Method (Continued...)
Lecture 46 - Time Domain Panel Method (Continued...)
Lecture 47 - Time Domain Panel Method (Continued...)
Lecture 48 - Time Domain Panel Method (Continued...)
Lecture 49 - Non Linear Time Domain Panel Method
Lecture 50 - Non Linear Time Domain Panel Method (Continued...)
Lecture 51 - Time Domain Panel Method - Code Development
Lecture 52 - Ship Hydroelasticity
Lecture 53 - Hydroelasticity
Lecture 54 - Hydroelasticity (Continued...)
Lecture 55 - Hydroelasticity (Continued...)
Lecture 56 - Semi Analytic Method
Lecture 57 - Semi Analytic Method (Continued...)
Lecture 58 - Including Non linear Forces in BEM Code
Lecture 59 - Including Non linear Forces in BEM Code (Continued...)
Lecture 60 - Closer