Coupled Motion and Sloshing Analysis of a Rigid Cylindrical - Closed Fish Cage in Regular Waves

Gap Resonance of Floating Multi Caissons With Heave Motions

Incorporating Tvet Education On An Experimental Course: A Case Study At Technical University Of Denmark (Dtu)

Measurement of time response of helium-filled soap bubbles

Model Reduction through Machine Learning Tools Using Simulation Data with High Variance

Molecular dynamics simulation of the thermal transport on holey copper substrates

Molecular Dynamics Simulation of the Thermal Transport on Holey Copper Substrates

Numerical Investigation of the Effect of Conjugate Heat Transfer on Sulfuric Acid Condensation in a Large Two-Stroke Marine Diesel Engine

Numerical Investigation of Wave-Frequency Pontoon Responses of a Floating Bridge Based on Model Test Results

On Dynamic effects of Bulbous Bow Crushing

Ship scale validation of CFD model of self-propelled ship

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Stability of single-graded scour protection around a monopile in current

Surface Wetting in Multiphase Pipe-Flow

The Effect of Short-term Variability of Cross-Spectral Analysis on Wave Buoy Analogy

The impact of propulsion factors on vessel performance in waves

Turbulence measurements in the centerline region of a turbulent round jet using a software-driven laser doppler system

Unsteady propeller forces and hull pressure pulses in waves

Accurate evaluation of the Kochin function for added resistance using a high-order finite difference-based seakeeping code

A Numerical Investigation of Wedge Angle Effects on a Plunger Type Wave Maker With a Constant Submerged Volume

A solution to the over-production of turbulence beneath surface waves in RANS models
Atomistic simulations of water flow in graphene channels driven by imposed thermal gradients

CFD analysis of propeller tip vortex cavitation in ship wake field

Control Signal Optimization for Non-Linear Wave Generation

Droplet behavior of non-equilibrium condensation in the supersonic separator

Effect of charge inversion on Poiseuille flow of multivalent electrolyte solutions in nanochannels: an atomistic study

Experimental Study of Wave Force Distribution on a Monopile Structure

Flagellate flow

Fully Nonlinear Wave Effect on a Semi-Submersible Floating Wind Turbine Using Wave Kinematics from 2D Harmonic Polinomial Cell Wave Tank

High-Resolution Planar Two-Component PTV Measurements in a Breaking Wave

Hydrodynamic functionality of the lorica in choanoflagellates

Hydrodynamics under large-scale regular and bichromatic breaking waves

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Numerical Analysis of Second-Order Mean Wave Forces by a Stabilized Higher Order Boundary Element Method

OES Task 10 WEC heaving sphere performance modelling verification

Online wave estimation using vessel motion measurements

On the Absorption of Wave Power Using Ship Like Structures

POD analysis of flow structures behind cylinders with concave fillets

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Self-Similarity and Helical Symmetry of Various Vortex Wakes

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Short-term Variability of Cross-Spectral Analysis for Ship Responses in Waves

Study of Hydrodynamic Forces on Complex Structures

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The Effect of Operational Factors on Container Ship Fuel Performance

The Effect of Pulsations in Conditions related to Catalytic Converters

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A CFD Investigation on the Effect of the Air Entrainment in Breaking Wave Impacts on a Mono-Pile

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A New Volume-Of-Fluid Method in Openfoam

A regularized vortex-particle mesh method for large eddy simulation

CFD Analysis of Scale Effects on Conventional and Tip-Modified Propellers

Computational Fluid Dynamics of Choanoflagellate Filter-Feeding

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Deterministic Predictions of Vessel Responses Based on Past Measurements

Development of Large Scale Bed Forms in the Sea –2DH Numerical Modeling

Drag reduction in silica nanochannels induced by graphitic wall coatings

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Flow in axisymmetric expansion in a catalytic converter

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Measurement of Turbulent Skin Friction Drag Coefficients Produced by Distributed Surface Roughness of Pristine Marine Coatings

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PIV measurements of breaking waves

PIV measurements of velocities and accelerations under breaking waves on a slope

Pore Pressure Under A Gravity Based Structure Under The Influence Of Waves

Porous Media and Immersed Boundary Hybrid-Modelling for Simulating Flow in Stone Cover-Layers

Rans-Based Numerical Simulation of Wave-Induced Sheet-Flow Transport of Graded Sediments

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The collapse of Tacoma Narrows Bridge: a piece to the puzzle

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Continuous vs. pulsating flow boiling. Part 2: Statistical comparison using response surface methodology

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DeRisk - Accurate prediction of ULS wave loads. Outlook and first results

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On nonlinear wave-structure interaction using an immersed boundary method in 2D

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Reducing uncertainty of Monte Carlo estimated fatigue damage in offshore wind turbines using FORM

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Continuum Navier-Stokes modelling of water flow past fullerene molecules

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Extrapolation of model tests measurements of whipping to identify the dimensioning sea states for container ships

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Maritime Ingeniøruddannelser og Forskning

Methods for Cavitation Prediction on Tip-Modified Propellers in Ship Wake Fields
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Numerical Simulation of Wave Interaction with Moving Net Structures

On the modelling of the dynamics of elastically deformable floating structures

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Prediction of First-Order Vessel Responses with Applications to Decision Support Systems

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Trend modelling of wave parameters and application in onboard prediction of ship responses

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Aquaculture as a part of a multi-use platform

A review of recent advances in numerical modelling of local scour problems

Cavitation analysis of a journal bearing - Finite Element modelling and experimental studies
CFD analysis of the scavenging process in marine two-stroke diesel engines

CFD investigation of a transonic pulse-jet in a fabric filter application

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Early regimes of water imbibition in nanoslit silica channels

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Impact of an offshore wind farm on wave conditions and shoreline development

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Improving Tsunami Resilience in Europe - ASTARTE

Influence of clay content on residual liquefaction in waves

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Numerical modeling of backfilling process around monopiles

Numerical simulation of wave-induced scour and backfilling below submarine pipelines

Parametric estimation in the wave buoy analogy - an elaborated approach based on energy considerations

Particle motions in oscillatory flow over a smooth bed

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Power Spectrum Estimation of Randomly Sampled Signals

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Self-Similarity and helical symmetry in vortex generator flow simulations

Simulation of extreme events of oblique wave interaction with porous breakwater structures

Simulations of a single turbulent vortex ring using a regularized particle-mesh based vortex method

Simulations of a single vortex ring using an unbounded, regularized particle-mesh based vortex method

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The Effect of a Finite Measurement Volume on Power Spectra from a Burst Type LDA

The New Maritime Engineering Education at the Technical University of Denmark

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An Iterative Brinkman penalization for particle vortex methods

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Comparisons of Means for Estimating Sea States from an Advancing Large Container Ship

Effect of air on water capillary flow in silica nanochannels

Effects from fully nonlinear irregular wave forcing on the fatigue life of an offshore wind turbine and its monopile foundation

Efficient Hybrid-Spectral Model for Fully Nonlinear Numerical Wave Tank

Evaluation of Response Prediction Procedures using Full Scale Measurements for a Container Ship

Fully Coupled Three-Dimensional Dynamic Response of a TLP Floating Wind Turbine in Waves and Wind

Hull Girder Fatigue Damage Estimations of a Large Container Vessel by Spectral Analysis

Hybrid-Spectral Model for Fully Nonlinear Numerical Wave Tank

Innovative multi-purpose offshore platforms
Planning, design and operation

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Towards real time simulation of ship-ship interaction - Part II: double body flow linearization and GPU implementation

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A Coupled Finite Difference and Moving Least Squares Simulation of Violent Breaking Wave Impact
A high order solver for the unbounded Poisson equation

A high order solver for the unbounded Poisson equation with specific application to the equations of fluid kinematics

A High-Order WENO Finite Difference Water Wave Model for Interactive Ship-Wave Simulation

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Blind estimation of a ship’s relative wave heading

Breaking Wave on a Slender Cylinder: Comparison of Experimental Data and Numerical Results

CFD modelling of combined blast and contact cooling for whole fish

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Educating Maritime Engineers for a Globalised Industry - Bridging the Gap Between Industry and Universities

Efficient Pseudo-Spectral Model for Free Surface Nonlinear Water Waves

Efficient pseudo-spectral model for nonlinear water waves

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On the Effect of Hull Girder Flexibility on the Vertical Wave Bending Moment for Ultra Large Container Vessels

On the Influence of Hull Girder Flexibility on the Wave

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Slamming Simulations in a Conditional Wave

Solving the linear radiation problem using a volume method on an overset grid

Staying dry under water

Swirling flow in model of large two-stroke diesel engine

Swirling flow in model of large two-stroke diesel engine

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Towards Real Time Simulation of Ship-Ship Interaction

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Ultra-high-speed digital in-line holography system applied to particle-laden supersonic underexpanded jet flows

Ultra-high-speed digital in-line holography system applied to particle-laden supersonic underexpanded jet flows

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The effectiveness of moving masses in reducing the roll motion of floating vessels

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