

Contents

Hydrodynamics

- An overview of verification and validation methodology for CFD simulation of ship hydrodynamics.....WU Bao-shan (577)
- Numerical calculation on the influence of the slot size of air injection on micro bubbles drag reduction for transitional craft.....WANG Jia-mei ZHANG Ling (592)
- Application of particle swarm optimization theory in the hydrofoil designXU Wei-bao WANG Chao HE Bao HUANG Sheng ZHOU Bin (598)
- CFD simulation of the unsteady performance of contra-rotating propellersZHANG Tao YANG Chen-jun SONG Bao-wei CHEN Yan-yong (605)
- Application of wavelet denoising in the modeling of ship manoeuvring motionZHANG Xin-guang ZOU Zao-jian (616)
- Oblique incident wave interaction with a row of pilesZHU Da-tong (623)

Structural mechanics

- Analytical stress analysis of the novel saddle-shaped end closure of the deep-diving submersible vehicle.....LI Rong-fu CHENG Yuan-sheng ZENG Guang-wu (634)
- A meshless numerical approach for stress-assited corrosion on ship bodyTANG Zhi-bo (649)
- Evaluation of surface crack shape evolution using the improved fatigue crack growth rate model.....WANG Fang CUI Wei-cheng HUANG Xiao-ping (660)
- Local wave applied to detect and characterize acoustic emission signalsLIN Li ZHAO De-you (669)
- Overview of upheaval buckling theoretical studies for submarine buried pipelineGAO Xi-feng LIU Run DU Zun-feng TAN Zhen-dong (678)
- Propagation and attenuation of axisymmetrical wave in fluid-filled pipesYAN Jin ZHANG Shi-liang ZHANG Juan (688)
- Vibration of cracked plates under tensile or compressive loadLI Jing-yu HU Yu-ren (698)