

CONTENTS Volume 42

Number 429

Gonzalo Pérez Gómez & Juan González-Adalid
Tip Loaded Propellers (CLT). Justification of their Advantages over
Conventional Propellers Using the Momentum Theory 5-60

M.K. Rahman & J.B. Caldwell
Ship Structure: Improvement by Rational Design Optimisation 61-102

Number 430

Tanmay Sarkar and Madhujit Mukopadhyay
A New Approach to the Analysis of Springing of Ships 109-131

Ronald Bradshaw
The Mechanics of Shaft Alignment 132-161

M.R. Haddara and M. Hinchey
On the Use of Neural Network Techniques in the Analysis of Free Roll
Decay Curves 162-174

Number 431

H.S. Chan
On the Calculations of Ship Motions and Wave Loads of High-Speed
Catamarans 181-196

Ming-Chung Fang and Shin-Shiou Her
The Nonlinear SWATH Ship Motion in Large Longitudinal Waves 197-220

Nelson Pérez and Carlos Sanguinetti
Experimental Results of Parametric Resonance Phenomenon of Roll Motion
in Longitudinal Waves for Small Fishing Vessels 221-234

Da-Qing Li and Gilbert Dyne
Study of Propeller-Rudder Interaction based on a Linear Method 235-258

J. F. Wellicome, P. A. Wilson and X. Cheng
Prediction of Sway Force and Yaw Moment on Slender Ships 259-276

Number 432

N. Bose Performance of Chordwise Flexible Oscillating Propulsors Using a Time-Domain Panel Method	281-294
A.H. Nayfeh and I.G. Oh Nonlinearly Coupled Pitch and Roll Motions in the Presence of Internal Resonance: Part 1, Theory	295-324
Changwen Xu and Minghua Yu On Multi-Objective Fuzzy Optimization of Ship Structures	325-341
S. Guha and P.G. Sayer Wave energy in drift control of offshore platform	343-356
P. Krishnankutty and C.P. Vendhan Analysis of diffraction-radiation problem of a twin-hull barge system	357-379