

SELECTED PAPERS
' FROM
THE JOURNAL OF
THE SOCIETY OF NAVAL ARCHITECTS OF JAPAN

VOL. 12

Published by

THE SOCIETY OF NAVAL ARCHITECTS OF JAPAN

No. 35 Shiba-Kotohiracho, Minato-ku,
Tokyo, Japan

Contents

1. The Added Resistance of Ships in Regular Oblique Waves.....
.....Ryusuke Hosoda.... 1
2. Study on Cavitation Erosion
.....Ryuichi SATO, Shin TAMIYA and Hiroharu KATO.... 21
3. Calculations on the Steered Motion of a Ship under the Action of External Forces
—(Part II) Analysis of Motion Derivatives by a New Mathematical Model—Akihiro OGAWA.... 33
4. An Investigation into the Propulsive Performance of a High Speed Container Ship with Triple Screws Koichi Yokoo, Atsuo YAZAKI, Tatsuo ITO, Yasushi SUGIMURA, Hiroyuki KADOI, Mitsuhiro ABE, Nobuharu YOSHINO, Yoshihisa TSUKINO and Kazuo YAMAZAKI.... 47
5. Some Concept for ULCC with Small L/B RatioSigeru SATO, Ichiro NAKAMURA, Shinjiro UETAKE, Matao TAKAGI, and Taiji KATAZA.... 65
6. Studies on Optimization of Ship Structures (2nd Report)
—Optimum design of framed structures and longitudinal members of tanker—Katsuhide KITAMURA.... 89
7. Effect of Line-Heating on Notch Toughness of 50 kg/mm²-Class High-Tensile Steel PlatesHiroshi KIHARA, Jiro SUHARA, Tsuneo KUROKAWA Shigeo KATAOKA, Masaki NAKAJIMA, Hiroshi YAJIMA and Tatsuro FUKAE.... 115
8. A Study on Pre-Erection System in Hull Construction
.....Isoe TAKEZAWA, Masataro MUTO and Akio KANEZAKI.... 135
9. Elasto-Plastic Analysis of the Distribution of Ore Pressure on Longitudinal Bulkheads in an Ore Carrier
.....Yoshiyuki YAMAMOTO and Tamaki URA.... 149
10. The Statistics of Failure and Evaluation of Reliability on the Marine Diesel Engine.....Takeshi HASHIMOTO and Kuninori ISHIZUKA.... 157