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Cargo Ship in Shallow and Strong Current Waterways; CHAPTER 4. NOVEL SHIP CONCEPTS - HIGH SPEED VESSELS
The Impact Load of Wing-in-Ground-Effect Craft in Waves and Application of Hydro-Ski Conceptual Design of Very Large-Size Super-High-Speed Foil Catamaran Containership; A Practical Application of Air Lubrication on a Small High Speed Boat; The Hybrid Hydrofoil Stepped Hull; CHAPTER 5. NOVEL SHIP CONCEPTS - TRIMARAN; The Design of Trimaran Ships: General Review and Practical Structural Analysis; Calm Water Experimental Research on Geosims of High Speed Trimaran: Hydrodynamic Characteristics and Model-Ship Correlation; Trimaran Model Test Results and Comparison with Different High Speed Craft Hull Form Development and Powering Performance Characteristics for a 2,500 Ton Class Trimaran CHAPTER 6. FLOATING PRODUCTION SYSTEMS; Design Recommendations from the FPSO - Fatigue Capacity JIP; Design of FPSOs Based on Maneuvering Stability; Extreme Response and Fatigue Damage of Ship-Shaped FPSO; CHAPTER 7. VERY LARGE FLOATING STRUCTURES (I); An Investigation into Wave Induced Drift Forces and Motions of Very Large Floating Structures; A Study on the Horizontally Dynamic Behavior of a VLFS Supported with Dolphins Experimental Study on the Hydroelastic Response Characteristics of a Pontoon Type Floating Structure CHAPTER 8. VERY LARGE FLOATING STRUCTURES (II); Simulation Study on Coastal Ecosystem Around a Very Large Floating Structure in Tokyo Bay; Effects of a Draft on Hydroelastic Responses of a Pontoon Type Very Large Floating Structure; A Study on Deck Wetness and Slamming of Very Large Floating Structures; CHAPTER 9. SAFETY ASSESSMENT; Probabilistic Analysis Tools for Surface Ships Under Seaway and Extreme Dynamic Loads Comprehensive Fuzzy Approach in Hazard Identification of Formal Safety Assessment (FSA)

Sommario/riassunto

This proceedings contains the papers presented at The 8th International Symposium on Practical Design of Ships and Other Floating Structures held in China in September 2001 - the first PRADS of the 21st Century. The overall aim of PRADS symposia is to advance the design of ships and other floating structures as a professional discipline and science by exchanging knowledge and promoting discussion of relevant topics in the fields of naval architecture and marine and offshore engineering.
