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One Week Ship Design; Mission Based Hydrodynamic Design of a Hydrographic Survey Vessel; Hull Form Design of a Passenger Catamaran for Operation in the Yellow Sea Region; Hull Form Design of 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. In line with the aim, in welcoming the new era, this Symposium is intended to increase intern

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