



METADATA

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Abstract

The book covers a fundamental area of shipbuilding, namely the stability and hydrostatic equilibrium of conventional ships under the influence of various forces and moments. The aim of the book is to develop basic methodologies for solving these problems, either using classical engineering methods where possible, or using special diagrams and software when available. The chapters of the book include: Chapter 1 Generalized

Hydrostatics. Chapter 2 Small Change Theory. Chapter 3 Hydrostatic Diagram. Chapter 4 Transverse inclination of conventional ships. Chapter 5 Conventional ship handling. Chapter 6 Effect of free surfaces. Chapter 7 International regulations for intact stability and loading of ships. Chapter 8 Tanking and launching Chapter 9 Stability in waves. Chapter 10 Flood calculations. Appendix Solved exercises. Unsolved exercises.

