



METADATA

Title: Hydrostatic and Stability Ship

Other Titles: -

Language: Greek

ISBN: 978-960-603-153-3

Subject: ENGINEERING AND TECHNOLOGY

Keywords: Ship Hydrostatics And Stability

Bibliographic Reference: Tzampiras, G. (2015). Hydrostatic and Stability Ship [Undergraduate textbook]. Kallipos, Open Academic Editions. <http://dx.doi.org/10.57713/kallipos-908>

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

(Small Change Theory). Chapter 2 Hydrostatic Diagram. Chapter 3 Transverse inclination of conventional ships. Chapter 4 Conventional ship handling. Chapter 5 Effect of free surfaces. Chapter 6 Loading of ships. Chapter 7 Intact stability regulations. Chapter 8 Stability in waves. Chapter 9 Theory of lost buoyancy. Floodable lengths. Chapter 10 Tanking and launching. Appendix Solved exercises. Unsolved exercises.

