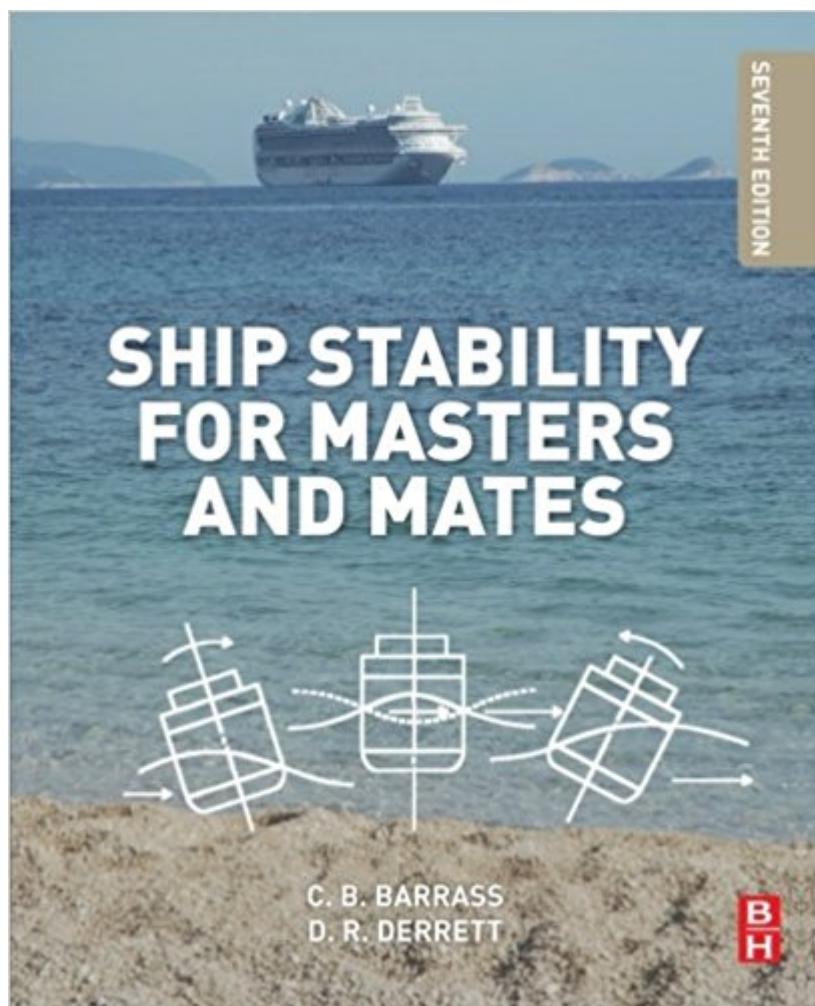


The book was found

Ship Stability For Masters And Mates, Seventh Edition



Synopsis

Ship Stability for Masters and Mates explores all aspects of ship stability and ship strength, squat, and interaction and trim, as well as materials stresses and forces. Organized into 56 chapters, the book looks at the relationship between ship stability and ship motion, with emphasis on group weights in a ship. It also explains how TPCs are calculated for a range of drafts extending beyond the light and loaded drafts, along with form coefficients, including the coefficient of fineness of the waterplane area. The book explains how to perform KB, BM, and KM calculations and make graphics on metacentric diagrams. It considers large-angle stability, the effect of beam and freeboard on stability, and hydrostatic curves and values for vessels that are initially on even keel. The reader is also introduced to free-surface effects of slack tanks with divisional bulkheads, how side winds affect ship stability, and the correlation between freeboard and stability curves. Other chapters focus on timber ship freeboard marks, procedures and calculations for drydocking and stability, and ship squat in open water and in confined channels. The book also includes extracts from the 1998 Merchant Shipping (Load Line) Regulations Number MSN 1752(M). This book is intended for students seeking to obtain Transport Certificates of Competency for Deck Officers and Engineering Officers and STCW equivalent International qualifications, as well as Chief Mates and Officers on Watch (Officers in Charge) on board merchant ships and other maritime personnel, port authorities, marine consultants, nautical study lecturers, and marine superintendents. Updated throughout to include new shipping industry developments and regulations, with 9 new chapters, the latest ship stability datasheets, and sample exam questionsProvides a comprehensive introduction to all aspects of ship stability and ship strength, squat, interaction and trim, materials stresses and forcesConcepts are supported with numerous worked examples, clear diagrams, graphs and equations to assist with understanding and application of this critical subject

Book Information

Paperback: 584 pages

Publisher: Butterworth-Heinemann; 7 edition (November 2, 2012)

Language: English

ISBN-10: 0123741548

ISBN-13: 978-0123741547

ASIN: 0080970931

Product Dimensions: 7.5 x 1.3 x 9.2 inches

Shipping Weight: 2.7 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 2 customer reviews

Best Sellers Rank: #72,727 in Books (See Top 100 in Books) #4 in Books > Engineering & Transportation > Transportation > Ships > Repair & Maintenance #8 in Books > Engineering & Transportation > Engineering > Marine Engineering #150 in Books > Textbooks > Engineering > Mechanical Engineering

Customer Reviews

"British specialists in marine technology (Barrass) and navigation (Derrett) provide a resource for students studying for their Transport Certificates of Competency for Deck Officers and Engineering Officers and STCW equivalent international qualification. Primarily for chief mates and officers on watch on board merchant ships, it focuses on linking ship stability with ship motions."--Reference & Research Book News, October 2013 "The book provides a comprehensive treatment of the subject with full supporting data. It is well written with clear illustrations. It can be thoroughly recommended to those at whom it is aimed and many others associated with the operation of ships will benefit from reading it."--The Naval Architect, January 2013

Ship stability for Masters and Mates, now in its seventh edition provides a comprehensive introduction to all aspects of ship stability with numerous worked examples to assist masters, mates and engineering officers with qualifications and professional practice. New coverage includes content on new materials used in ship construction, developing methods of propulsion and the latest research into resistance. Unique features include: 30% new content including chapters on new materials used in ship design, methods of propulsion, and the latest research into resistance. Comprehensive introduction to all aspects of ship stability and ship strength, squat, interaction and trim, materials stresses and forces. Numerous worked examples and clear diagrams to assist understanding of this critical subject. Ship Stability for Masters and Mates is required reading for seafarers and students alike and an important resource for naval architecture students, shipboard officers and shore-based staff, including dry-dock personnel, ship-designers, ship surveyors, port authorities, marine consultants and superintendents. Dowloadable spreadsheets to accompany the book can be found at <http://booksite.elsevier.com/9780080970936/>

Very detailed. Lots of Q and A with work shown to be able to find out how the solutions were derived.

Good book, lots of examples and easy to follow.

[Download to continue reading...](#)

Ship Stability for Masters and Mates, Seventh Edition Brynjar - Drogon King - SciFi Alien Soul Mates Romance: Bonus:Dream Alien: Celestial Alien Mates (A Drogons Fate Series Book 4) Wanted by Gentle Alien (Uoria Mates Book 3) (Uoria Mates Series) Introduction to Aircraft Flight Mechanics: Performance, Static Stability, Dynamic Stability, Classical Feedback Control, and State-Space Foundations (AIAA Education) Stability and Trim for the Ship's Officer It's Your Ship: Management Techniques from the Best Damn Ship in the Navy, 10th Anniversary Edition Ship Construction, Seventh Edition It's Your Ship: Management Techniques from the Best Damn Ship in the Navy Real Pirates: The Untold Story of the Whydah from Slave Ship to Pirate Ship Cruisin' for a Bruisin': A Cruise Ship Cozy Mystery (Cruise Ship Christian Cozy Mysteries Series Book 9) The Clipper Ship Sebastopol: New Zealand Immigration Ship 1861-1863 (Ancestral Journeys of New Zealand) Ship of Darkness: Chronicles of a Cruise Ship Crew Member (Book Three) The Ship of the Line (A History in Ship Models) The Seventh Day: The Seventh Day Duet Masters of Sex: The Life and Times of William Masters and Virginia Johnson, the Couple Who Taught America How to Love Spanish for Guitar: Masters in TAB: Easy to Intermediate Sheet Music Solos by the Spanish Masters Ohio Players: Masters of Funk Series Piano/Vocal/Guitar (Masters of Funk Series , No 2) Black Eyed Peas Present: Masters of the Sun: The Zombie Chronicles (Black Eyed Peas Presents: Masters of the Sun) ASWB Masters Study Guide: Exam Prep & Practice Test Questions for the Association of Social Work Boards Masters Exam The Golden Age of Zen: Zen Masters of the T'ang Dynasty (Spiritual Masters)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)