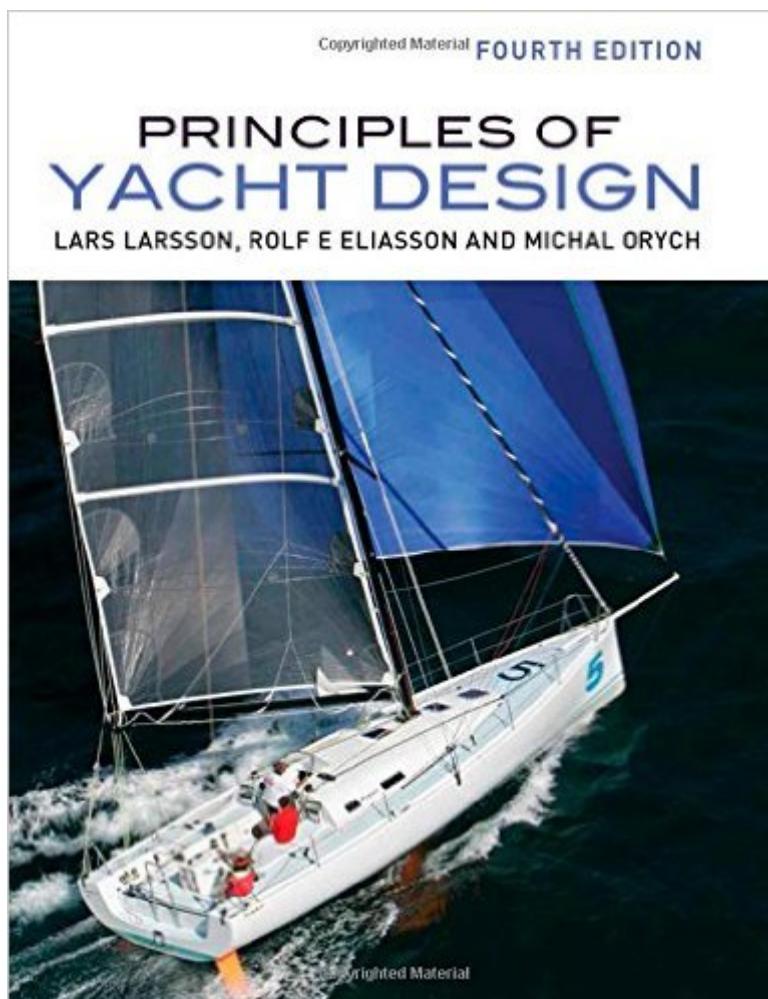


The book was found

# Principles Of Yacht Design



## Synopsis

"This book is deeply fascinating...a must." -- Classic Boat Principles of Yacht Design is the authority on planning and creating your desired yacht. Inside you will find all the essentials, including: Design methodology and considerations The yacht's specifications Hull geometry, including lines plans and computer aided design (CAD) Hydrostatics and stability in waves and calm Hull design Keel and rudder design Sail and rig design Balance Propeller and engine characteristics High-speed powerboat hydrodynamics Hull construction considerations for sail and power Rig calculations ISO standards for dimensioning Cockpit, deck, and cabin layout Weight calculations Design evaluation, performance prediction, experimental techniques, and computational fluid dynamics "A classic." -- Cruising World "A sound and up to date manual of yacht design . . . a classic in its field" -- Practical Boat Owner "A definitive work on yacht design." -- Cruising "Ideal for budding designers and mathematically-minded yachtsmen." -- Yachting Monthly "The standard book on the subject." -- Yachting Life "Covers every aspect of the yacht design process." -- IBI magazine

## Book Information

Hardcover: 352 pages

Publisher: International Marine/Ragged Mountain Press; 4 edition (January 3, 2014)

Language: English

ISBN-10: 0071826408

ISBN-13: 978-0071826402

Product Dimensions: 1.2 x 7.8 x 10.5 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 starsÂ See all reviewsÂ (11 customer reviews)

Best Sellers Rank: #484,805 in Books (See Top 100 in Books) #73 inÂ Books > Engineering & Transportation > Transportation > Ships > Repair & Maintenance #347 inÂ Books > Reference > Encyclopedias & Subject Guides > Sports #412 inÂ Books > Sports & Outdoors > Miscellaneous > Reference

## Customer Reviews

As with the previous editions of the Principles of Yacht Design, the authors have covered the design of a yacht from A to Z with enough principles, concepts and mathematics to allow the student yacht designer to do a thorough job with his or her design. This edition presents a new design example that is thoroughly contemporary and reflects the current style of design - plumb bow, broad beam carried to the stern and fairly flat canoe body lines. The worked examples clearly show how to

perform the calculations necessary to provide the hydrostatic data needed for the design. Other calculations provide the ability to size the strength of the rigging and the hull. It is no wonder that the Society of Naval Architects and Marine Engineers has had the Principles of Yacht Design on their list of books to purchase. This edition sits alongside my editions of Principles of Naval Architecture, Ship Design and Construction, Hydrodynamics of Ships, and Skene's Elements of Yacht Design.

Excellent technical discussion. Clear descriptions and diagrams. Useful design information. The use of a modern light-displacement sailboat as the example throughout gives unity to the various chapters.

I bought this edition when it was first released and went through it page by page in order to transfer my margin notes from prior editions to this one. While the publishers are to be commended for their continued support of this highly valuable reference work, in particular to add new material, it is quite shocking to see some highly practical basic information deleted from this new edition. For example the text and graphs within Chapter 5 having to do with the effects on resistance due to the location of the LCB (which exist in all three prior editions of PYD) have - bizarrely - been deleted from this edition. A full five pages of text and valuable graphs... poof - gone - reduced to a few paragraphs. What were they thinking...? Granted this information can be found elsewhere, however as one who has taught the basics of yacht design it is in my view extremely important to retain all of the 'basics', not only for the sake of new students, but also for reference. I lay this complaint firmly at the doorstep of the publisher, who in all likelihood decided that 'some things had to go' in order to make room for new content. Unbelievable! Perhaps if it is getting too big, it should be published in two volumes... Why only three stars...? Students and yacht designers alike should definitely own this book, however I recommend also finding the THIRD edition..!

A clear, readable, thorough, comprehensive and up to date text. The list of references is very useful and leads to many further valuable sources of information. The only significant downside for me is that I wish it had more (anything?) about multihulls and their specific design issues. Maybe the authors could co-opt a leading multihull designer to contribute a couple of specific chapters for a future edition. I would also like to see more about rig design from a fundamental point of view rather than a scantlings rule based point of view.

Very detailed and readable. Writers are very smart but also very concise so you have to read it

carefully. I especially love how they take you through the design of a single boat so it is consistent throughout the text. Don't be scared off by math - the math is very approachable and anyone with algebra skills can understand it.

This is apparently the standard text these days. It's a good guide to the theory behind yacht design with an eye toward software. If you have a good grasp of basic physics (statics and mechanics), this book should be a piece of cake; if not, you may want to brush up on those first.

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

Elements of Yacht Design: The Original Edition of the Classic Book on Yacht Design (Seafarer Books) Principles of Yacht Design Yacht Design According to Perry: My Boats and What Shaped Them The Insiders' Guide to Becoming a Yacht Stewardess 2nd Edition: Confessions from My Years Afloat with the Rich and Famous The Hinckley Guide to Yacht Care : How to Keep Your Boat the Hinckley Way The Finely Fitted Yacht, Volumes 1 and 2 in One Volume (Volumes I and II) The Best of the Best: The Yacht Designs of Sparkman and Stephens Annals of the Royal Vancouver Yacht Club 1903-1965: History of the Club's founding; granting of the Royal Charter; prominent early yachtmen; racing ... and Gulf of Georgia, British Columbia, Canada Classic Yacht Interiors Feng Shui: Wellness and Peace- Interior Design, Home Decorating and Home Design (peace, home design, feng shui, home, design, home decor, prosperity) The Complete Works of Herbert Spencer: The Principles of Psychology, The Principles of Philosophy, First Principles and More (6 Books With Active Table of Contents) Computers as Components, Third Edition: Principles of Embedded Computing System Design (The Morgan Kaufmann Series in Computer Architecture and Design) Computers as Components: Principles of Embedded Computing System Design (The Morgan Kaufmann Series in Computer Architecture and Design) Principles of Program Design: Problem-Solving with JavaScript (Logic and Design) Chemical Engineering Design, Second Edition: Principles, Practice and Economics of Plant and Process Design Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design Packaging Essentials: 100 Design Principles for Creating Packages (Design Essentials) Refining Design for Business: Using analytics, marketing, and technology to inform customer-centric design (Graphic Design & Visual Communication Courses) Algorithms: C++: Data Structures, Automation & Problem Solving, w/ Programming & Design (app design, app development, web development, web design, jquery, ... software engineering, r programming) 2012 Wood Design Package - including the National Design Specification® for Wood Construction (NDS®) & NDS Supplement: Design Values for Wood Construction (4 volumes set)

[Dmca](#)