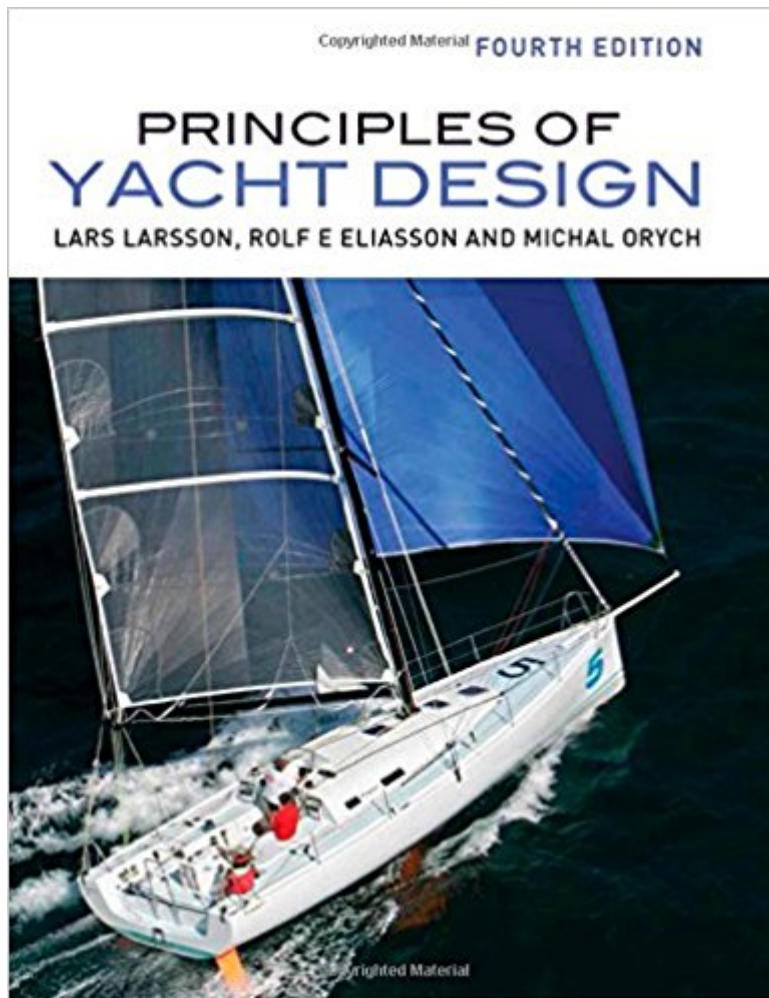




Ebook Directory
the best source of ebook

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: 7.9 x 1.1 x 10.6 inches

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

Average Customer Review: 4.2 out of 5 stars 13 customer reviews

Best Sellers Rank: #179,990 in Books (See Top 100 in Books) #22 in [Books > Engineering & Transportation > Transportation > Ships > Repair & Maintenance](#) #120 in [Books > Sports & Outdoors > Outdoor Recreation > Boating](#) #130 in [Books > Sports & Outdoors > Outdoor Recreation > Sailing](#)

Customer Reviews

Lars Larsson is a naval architect and professor of hydrodynamics at Chalmers University of Technology in Gothenburg, Sweden. Larsson is president of Flowtech International, a company specializing in hydrodynamic software for ship design. Visit www.flowtech.se for more information. Rolf Eliasson is a yacht design/construction engineer who has seen more than 5,000 yachts built from his designs. Eliasson is one of the forerunners in using computer techniques for yacht design

and the evolution of new designs. Michal Orych is a PhD student in naval architecture and works with Larsson at Flowtech International AB.

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.

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.

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.

This book is very comprehensive and covers most of the main topics from basic design to hydrodynamics to structural details. I would recommend this book to anyone interested in the basics of yacht design.

Very interesting high level review of all aspects of modern yacht design.

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

Elements of Yacht Design: The Original Edition of the Classic Book on Yacht Design (Seafarer Books) 7 Steps to Buying a Yacht: How to buy a new or used yacht without making expensive mistakes (7 Steps to Sailing Book 1) Principles of Yacht Design Understanding Yacht Design Yacht Style: Design and Decor Ideas from the World's Finest Yachts Yacht Design According to Perry: My Boats and What Shaped Them Sailing Theory and Practice. A Scientific Analysis, with 335 Drawings and Photographs of the Aerodynamic, Hydrodynamic and Other Design Factors which Define a Yacht's Behaviour. Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) The Hinckley Guide to Yacht Care : How to Keep Your Boat the Hinckley Way The Best of the Best: The Yacht Designs of Sparkman and Stephens Fatal Storm: The 54th Sydney to Hobart Yacht Race - 10th Anniversary Edition How to Make Money From a

Boat: 50 Businesses Run From A Yacht (Crusing Careers Book 2) Annals of the Royal Vancouver Yacht Club 1903-1965: History of the Club's founding; granting of the Royal Charter; prominent early yachtsmen; racing ... and Gulf of Georgia, British Columbia, Canada Airstream: The History of the Land Yacht Auctioned to Him 3: Back to the Yacht From the Baltic to the Aegean: By motor yacht down the Danube & Rhine and through the Black Sea Universal Principles of Design, Revised and Updated: 125 Ways to Enhance Usability, Influence Perception, Increase Appeal, Make Better Design Decisions, and Teach through Design Design, When Everybody Designs: An Introduction to Design for Social Innovation (Design Thinking, Design Theory) Layout Essentials: 100 Design Principles for Using Grids (Design Essentials) Drawing for Graphic Design: Understanding Conceptual Principles and Practical Techniques to Create Unique, Effective Design Solutions

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)