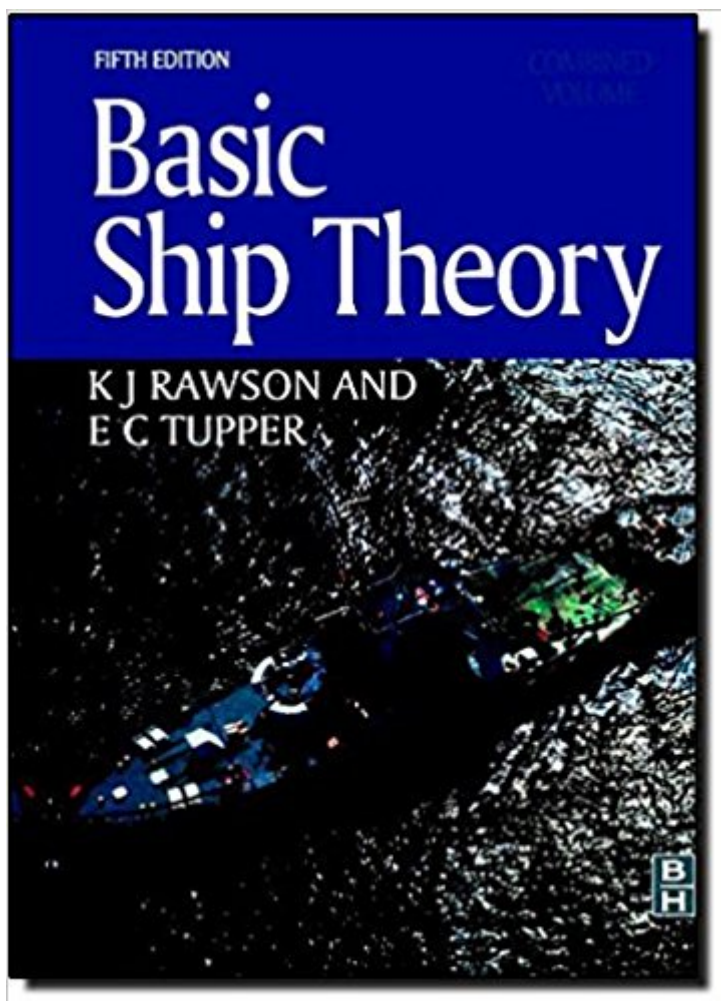


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Basic Ship Theory, Combined Volume, Fifth Edition



Synopsis

Rawson and Tupper's Basic Ship Theory, first published in 1968, is widely known as the standard introductory text for naval architecture students, as well as being a useful reference for the more experienced designer. The fifth edition continues to provide a balance between theory and practice. Volume 1 discusses ship geometry and measurement in its more basic concepts, also covering safety issues, structural strength, flotation, trim and stability. Volume 2 expands on the material in Volume 1, covering the dynamics behaviour of marine vehicles, hydrodynamics, manoeuvrability and seakeeping. It concludes with some case studies of particular ship types and a discussion of maritime design. Both volumes feature the importance of considering the environment in design. Basic Ship Theory is an essential tool for undergraduates and national vocational students of naval architecture, maritime studies, ocean and offshore engineering, and this combined hardback version will be of great assistance to practising marine engineers and naval architects. Brand new edition of the leading undergraduate textbook in Naval Architecture Provides a basis for more advanced theory Over 500 examples, with answers

Book Information

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Customer Reviews

"This is one of the leading textbooks for naval architect students, and it remains a fine reference book....The subject matter is presented clearly with a great deal of information contained in the two volumes... Basic Ship Theory remains a primary textbook, designed to provide the student with an understanding of the fundamental principles of ship design. A particular strength is the large

number (more than 500) of worked examples, with answers included in the text." --The Naval Architect, Feb 2002 "Will be of great assistance to practising marine engineers and naval architects." --Maritime Journal, December 2001 Reviews of previous editions: "This is a very good book and will be a welcome addition to the library of the naval architect." --Shipping World and Shipbuilder, December 1968 "This is a professional book - cheerful but no nonsense." --Scientific American, September 1969

Eric Tupper is a Fellow and Honorary Vice-President of the Royal Institution of Naval Architects (RINA), UK. In 2011 he received the William Froude Medal for outstanding contribution to naval architecture from RINA for his Basic Ship Theory books, co-authored with Ken Rawson. His long career in naval architecture has included ship design, hydrodynamic and structural research, and ship production.

Written by final semester NavArch student and thirteen year active duty Sailor. I obtained it new from and it came damaged and very late so another was sent express and it was fine. A little different from past revisions. It looks to be entirely in metric where earlier editions had English units also. The single volume hard-cover is not as ungainly as expected. It is merely just like stacking two of the older paperbacks and wrapping in a hardcover. Ever since starting NavArch, the faculty at my school list this as a definite optional text for anyone who might need a little more explanation of things that they couldn't get from the school's course books (if they don't already use it.) The staff were "loyalists" in that they went with the SNAME texts (SD&C, SSD, PNA) as well as ANA by Zubaly for primary texts. They were confident that if you have the money the first optional text to get would be Basic Ship Theory. Our freshly graduated fro U of M professor broke mould and dropped the SNAME texts and fully switched to BST for the first semester Ship Statics course. I am one semester out from graduating. The SNAME golden oldies are valuable as references and should be mandatory texts. As primary texts they are a little dry though. I feel there should be a central course text book that portrays things in plain English for the uneducated with worked examples. It should be capable of raising a "rookie" first semester sophomore to an "apprentice" first semester junior. BST does this well and is a "total package" that covers a lot without going too far into dusty reference category. It would, however, be a valuable addition to a reference library. My heart and mind still say the first text to start your NavArch education with is Zubaly's Applied Naval Architecture. My respect for its usefulness in entry level NavArch education was high even before I had the opportunity to work with the author. Feel free to follow up with questions at

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