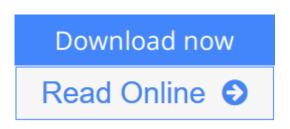


# **Basic Ship Theory, Combined Volume, Fifth Edition**

By E. C. Tupper, KJ Rawson



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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.

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"This is a professional book - cheerful but no nonsense." --Scientific American, September 1969

#### About the Author

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.

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