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Marine Hydrodynamics (MIT Press)



Synopsis

Marine Hydrodynamics was specifically designed to meet the need for an ocean hydrodynamics text that is up-to-date in terms of both content and approach. The book is solidly based on fundamentals, but it also guides the student to an understanding of their engineering applications through its consideration of realistic configurations.

Book Information

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Customer Reviews

J. N. Newman is Emeritus Professor of Naval Architecture at MIT.

Arrived on time, perfect condition. An awesome book from professor John Nicholas Newman from the MIT Center of Oceanic Engineering, it covers all the important knowledge of Hydrodynamics, however I wouldn't recommend it for beginners. If you never studied fluid mechanics before I recommend reading the book Fluid Mechanics from White. Fluid Mechanics with Student DVD (McGraw-Hill Series in Mechanical Engineering)

Brand New! Good pack!

Extremely well-written, readable. Here, you can learn about airfoil (hydrofoil) theory in detail, all the way through induction effects (drag and change of angle of inflow). I read it to understand outboard

racing propellers. There's is no tractable theory of the latter because of asymmetry, and because racing propellers are surfacing propellers. So you learn what you can from airfoil theory and the rest is engineering via the seat of the pants, try something and then test it to see how it works. I did that for 9 years and set 3 APBA OPC speed records along with winning 6 National Championships, so the method worked pretty well in practice for me but left the most interesting questions about what propellers are doing unanswered.

The book was exactly what I needed and it arrived as promptly as it was predicted to arrive. I love my textbook and use it all the time!

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