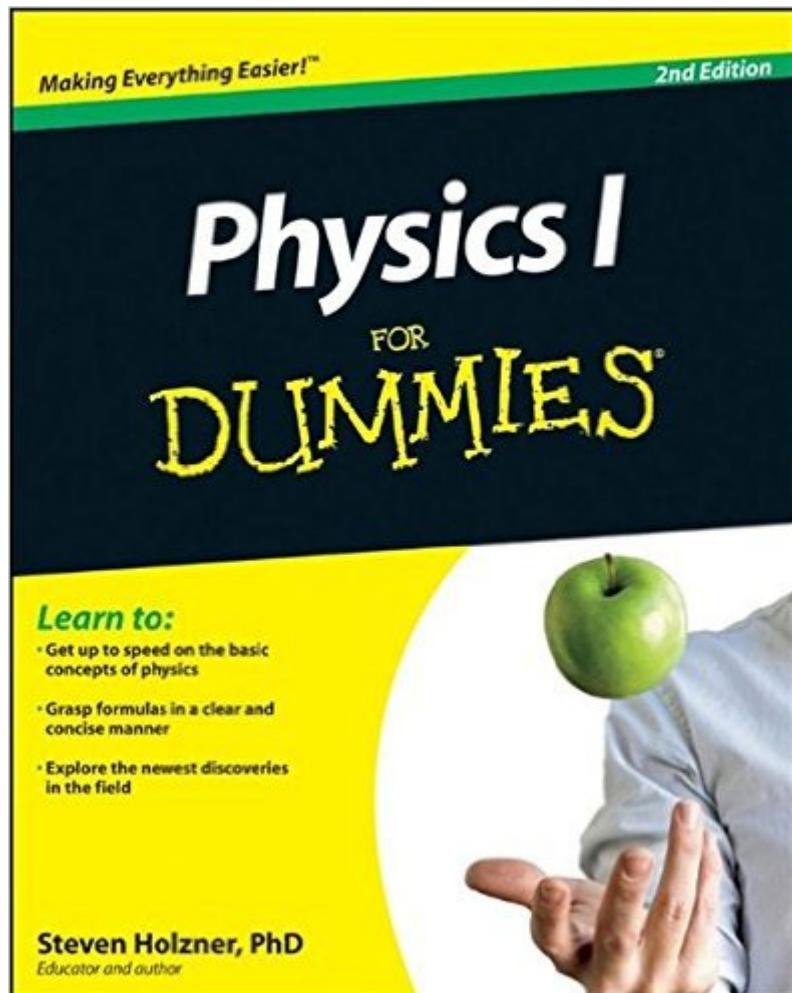


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Physics I For Dummies



Synopsis

Physics I For Dummies, 2nd Edition (9780470903247) is now being published as Physics I For Dummies, 2nd Edition (9781119293590). While this version features an older Dummies cover and design, the content is the same as the new release and should not be considered a different product. The fun and easy way to get up to speed on the basic concepts of physics For high school and undergraduate students alike, physics classes are recommended or required courses for a wide variety of majors, and continue to be a challenging and often confusing course. Physics I For Dummies tracks specifically to an introductory course and, keeping with the traditionally easy-to-follow Dummies style, teaches you the basic principles and formulas in a clear and concise manner, proving that you don't have to be Einstein to understand physics! Explains the basic principles in a simple, clear, and entertaining fashion New edition includes updated examples and explanations, as well as the newest discoveries in the field Contains the newest teaching techniques If just thinking about the laws of physics makes your head spin, this hands-on, friendly guide gets you out of the black hole and sheds light on this often-intimidating subject.

Book Information

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Customer Reviews

My daughter sailed through high-school Physics with the help of Physics for Dummies (by the same author). My son just picked up Physics I for Dummies to get a head start on the freshman Physics I class he'll be taking at college in the fall. Guess what--he's reading it for fun! I checked out the book before he bought it to make sure it's what he needs. I was impressed. Physics I for Dummies matches what's taught in the first semester of a year-long, high-school or college course on Physics.

The good part, as my son tells me, is that Physics I for Dummies is a lot clearer and more fun to read than a textbook. If you want to understand physics in a relaxed, clear way, this is your book. The book covers the four main subject areas of a Physics I class: motion, force, energy, and thermodynamics. Part I deals with measurements, speed, acceleration, and vectors in a clear and humorous way. Each point is illustrated with at least one example, and the examples are well-chosen, such as cars turning corners, refrigerators sliding down ramps, and golf balls in flight. Part II is all about force, such as the force of friction, the forces that cause acceleration, and the forces that spin objects around. Examples include ice skates, hockey pucks, the moon, hanging a sign outside a store, and more. Part III covers energy, both potential and kinetic, as well as converting back and forth between these two forms. Examples cover things like roller coasters, springs, kicking a football, and so on. Part IV is about thermodynamics, including such topics as temperature, heat, and engine efficiency. Here the examples show adding an ice cube to a cup of coffee, melting ice cream, what happens when steam and ice cubes mix, and more.

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