



Fundamentals of Physics Extended, 10th Edition

David Halliday, Robert Resnick, Jearl Walker

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DESCRIPTION

The 10 th edition of Halliday's *Fundamentals of Physics, Extended* building upon previous issues by offering several new features and additions. The new edition offers most accurate, extensive and varied set of assessment questions of any course management program in addition to all questions including some form of question assistance including answer specific feedback to facilitate success. The text also offers multimedia presentations (videos and animations) of much of the material that provide an alternative pathway through the material for those who struggle with reading scientific exposition. Furthermore, the book includes math review content in both a self-study module for more in-depth review and also in just-in-time math videos for a quick refresher on a specific topic. The Halliday content is widely accepted as clear, correct, and complete. The end-of-chapters problems are without peer. The new design, which was introduced in 9e continues with 10e, making this new edition of Halliday the most accessible and reader-friendly book on the market.

WileyPLUS sold separately from text.

ABOUT THE AUTHOR

David Halliday was an American physicist known for his physics textbooks, *Physics* and *Fundamentals of Physics*, which he wrote with Robert Resnick. Both textbooks have been in continuous use since 1960 and are available in more than 47 languages.

Robert Resnick was a physics educator and author of physics textbooks. He was born in Baltimore, Maryland on January 11, 1923 and graduated from the Baltimore City College high school in 1939. He received his B.A. in 1943 and his Ph.D. in 1949, both in physics from Johns Hopkins University.

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NEW TO EDITION

- **Rewritten chapters.** Based on feedback from his students, Jearl Walker has rewritten material that students find particularly challenging (eg Gauss' law and electric potential). Some other changes include expanded coverage of the Schrödinger equation including reflection of matter waves from a step potential and a decoupling of the discussion of the Bohr atom from the Schrödinger solution for the hydrogen atom.
- **New Sample Problems and Homework Question and Problems.** 16 new sample problems, 350 problems and 50 questions some of which come from prior editions back by popular demand.

FEATURES

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- ***The Flying Circus of Physics***, written by Jearl Walker, is incorporated into sample problems, text examples and end-of-chapter problems providing interesting real-world physics.
- **Reading questions** (available online) help test for reading comprehension
- **Checkpoints** offer stopping points so students can check their understanding of a question.
- **Sample problems** demonstrate how problems can be solved with reasoned solutions rather than quick and simplistic plugging of numbers into an equation with no regard for what the equation means.

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