



# Fundamentals of Physics: Mechanics, Relativity, and Thermodynamics (The Open Yale Courses Series)

By R. Shankar

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The book begins at the simplest level, develops the basics, and reinforces fundamentals, ensuring a solid foundation in the principles and methods of physics. It provides an ideal introduction for college-level students of physics, chemistry, and engineering, for motivated AP Physics students, and for general readers interested in advances in the sciences.

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#### Review

"Like his online lectures, Shankar's book looks excellent for teaching and learning introductory physics."—Leonard Susskind, Director, Stanford Institute for Theoretical Physics  
(Leonard Susskind 2013-10-22)

"This introductory text makes easy reading, due to Shankar's great sense of humor and his lucid explanation of the essential ideas of fundamental physics."—David Gross, Nobel Laureate in Physics, 2004  
(David Gross 2013-10-28)

"Akin to a relaxed discussion with a masterful tutor, Shankar's book conveys a strong intuitive understanding with wonderful freshness and clarity. A pedagogical masterpiece."—Daniel Arovas, University of California, San Diego  
(Daniel Arovas 2013-11-15)

"The book captures, and enhances, the experience of being in the room as Shankar explains the material. This is physics as it should be taught, clearly and entertainingly presented."—Alan Chodos, American Physical Society  
(Alan Chodos 2013-12-15)

"Well-suited for use either as a primary textbook or a source of additional readings for a first-year physics course intended for students with strong backgrounds in mathematics and physics."—*Choice*  
(*Choice*)

#### About the Author

**R. Shankar** is John Randolph Huffman Professor of Physics, Yale University. His popular Open Yale Course "Introduction to Physics" has a major following in the United States, India, Australia, China, and elsewhere. He is the 2009 winner of the American Physical Society's Lilienfeld Prize and the author of two previous textbooks, *Principles of Quantum Mechanics* and *Basic Training in Mathematics: A Fitness Program for Science Students*.

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