

Physics: Principles with Applications Volume II (Chapters 16-33) (7th Edition)

By Douglas C. Giancoli

Elegant, engaging, exacting, and concise, Giancoli's Physics: Principles with Applications , Seventh Edition, helps you view the world through eyes that know physics.

Giancoli's text is a trusted classic, known for its elegant writing, clear presentation, and quality of content. Using concrete observations and experiences you can relate to, the text features an approach that reflects how science is actually practiced: it starts with the specifics, then moves to the great generalizations and the more formal aspects of a topic to show you *why* we believe what we believe.

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From the Back Cover

This best-selling introduction to algebra-based physics goes beyond simple numerical problem solving and the application of formulas to challenge readers to explore the basic concepts that are fundamental to understanding physics and to apply physics to their everyday activities and interests (e.g., medicine, physiology, sports, and technology). Covers kinematics in one and two dimensions; vectors; dynamics; circular motion; gravitation; work and energy; linear momentum; rotational motion; bodies in equilibrium; elasticity and fracture; fluids; vibrations and waves; sound; temperature and kinetic theory; heat; and the Laws of Thermodynamics. Provides problem-solving notes; careful hints; problem-solving boxes; highlighted equations; and practice problems. Features photorealistic and 3D art to help readers visualize physics at work. For those in medical, agricultural, technology, and architectural fields needing a review of algebra-based physics.

About the Author

Douglas C. Giancoli obtained his BA in physics (summa cum laude) from UC Berkeley, his MS in physics at MIT, and his PhD in elementary particle physics back at the UC Berkeley. He spent 2 years as a post-doctoral fellow at UC Berkeley's Virus lab developing skills in molecular biology and biophysics. His mentors include Nobel winners Emilio Segrè and Donald Glaser.

He has taught a wide range of undergraduate courses, traditional as well as innovative ones, and continues to update his textbooks meticulously, seeking ways to better provide an understanding of physics for students.

Doug's favorite spare-time activity is the outdoors, especially climbing peaks. He says climbing peaks is like learning physics: it takes effort and the rewards are great.

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