

Modern Physics: A Comprehensive Guide to the Physics of the 20th Century

Modern Physics, written by renowned physicist Raymond A. Serway, provides a comprehensive and engaging to the physics of the 20th century. Covering a wide range of topics, from special relativity to quantum mechanics, the book explores the fundamental concepts that have revolutionized our understanding of the universe.



Modern Physics by Raymond A. Serway

★★★★☆ 4.4 out of 5

Language : English

File size : 17174 KB

Screen Reader : Supported

Print length : 648 pages

X-Ray for textbooks : Enabled



Special Relativity

Special relativity, developed by Albert Einstein in 1905, is a theory that describes the behavior of objects moving at speeds close to the speed of light. Serway's book provides a clear and concise explanation of the basic principles of special relativity, including time dilation, length contraction, and the mass-energy equivalence.

Quantum Mechanics

Quantum mechanics, developed in the early 20th century, is a theory that describes the behavior of matter and energy at the atomic and subatomic

level. Serway's book provides an accessible to the basic principles of quantum mechanics, including wave-particle duality, the uncertainty principle, and the Schrödinger equation.

Atomic Physics

Atomic physics is the study of the structure and properties of atoms. Serway's book provides a comprehensive overview of atomic physics, including the Bohr model, the Aufbau principle, and the periodic table.

Nuclear Physics

Nuclear physics is the study of the structure and properties of nuclei. Serway's book provides a thorough to nuclear physics, including nuclear reactions, radioactive decay, and nuclear power.

Particle Physics

Particle physics is the study of the fundamental particles that make up matter and energy. Serway's book provides an accessible to particle physics, including the Standard Model of particle physics and the search for new particles.

Cosmology

Cosmology is the study of the origin and evolution of the universe. Serway's book provides a comprehensive overview of cosmology, including the Big Bang theory, the cosmic microwave background, and the fate of the universe.

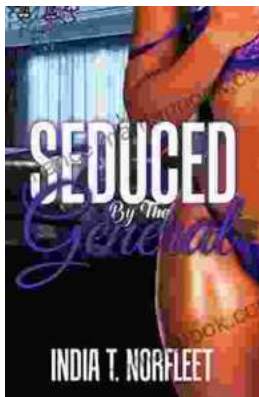
Modern Physics by Raymond A. Serway is an essential resource for anyone interested in understanding the physics of the 20th century. The

book's clear and concise explanations, combined with its comprehensive coverage of topics, make it an ideal textbook for students and a valuable reference for researchers.



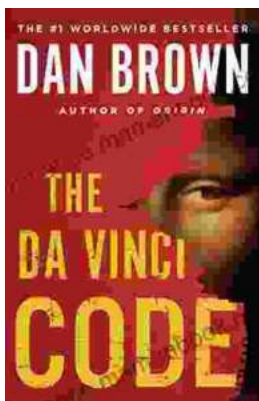
Modern Physics by Raymond A. Serway

★★★★☆ 4.4 out of 5
Language : English
File size : 17174 KB
Screen Reader : Supported
Print length : 648 pages
X-Ray for textbooks : Enabled



Seduced by the General: A Captivating Historical Romance by India Norfleet

In the tumultuous era of the American Revolutionary War, where the fate of a nation hung in the balance, India Norfleet's "Seduced by the..."



The Da Vinci Code: A Literary Odyssey into the World of Mystery and Symbolism

A captivating image of The Da Vinci Code novel, featuring a close-up of the iconic cover art with its enigmatic symbols. In the realm of literature, few novels have captured...

