

Einsteins Relativity and the Quantum Revolution: Modern Physics for Non-Scientists, 2nd Edition



It doesnt take an Einstein to understand modern physics, says Professor Wolfson at the outset of these twenty-four lectures on what may be the most important subjects in the universe: relativity and quantum physics. Both have reputations for complexity. But the basic ideas behind them are, in fact, simple and comprehensible by anyone. These dynamic and illuminating lectures begin with a brief overview of theories of physical reality starting with Aristotle and culminating in Newtonian or classical physics. After that, youll follow along as Professor Wolfson outlines the logic that led to Einsteins profound theory of special relativity and the simple yet far-reaching insight on which it rests. With that insight in mind, youll move on to consider Einsteins theory of general relativity and its interpretation of gravitation in terms of the curvature of space and time. From there, youll embark on a dazzling exploration of how inquiry into matter at the atomic and subatomic scales led to quandaries that are resolved-or at least clarified-by quantum mechanics, a vision of physical reality so profound and so at odds with our experience that it nearly defies language. By bringing relativity and quantum mechanics into the same picture, youll chart the development of fascinating hypotheses about the origin, development, and possible futures of the entire universe, as well as the possibility that physics can produce a theory of everything to account for all aspects of the physical world. But the goal throughout these lectures remains the same: to present the key ideas of modern physics in a way that makes them clear to the interested layperson.

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Written by: The Great Courses Narrated by: Professor Richard **9781565852808: Einsteins Relativity and the Quantum Revolution** Einsteins Relativity and the Quantum Revolution: Modern Physics for Non-Scientists, 2nd Edition examines concepts of modern physics in ways that anyone can **Solutions Seminar/Part I Richard Wolfson: Understanding 350 on** Aug 2, 2011 - 8 min - Uploaded by The Great Courses>Welcome to Einsteins Relativity and the Quantum Revolution: A Course in Modern Physics **Einsteins Relativity and the Quantum Revolution: Modern Physics** Listen to a sample or download Einsteins Relativity and the Quantum Revolution: Modern Physics for Non-Scientists, 2nd Edition by The Great Courses in Jan 24, 2016 Einsteins Relativity and the Quantum Revolution: Modern Physics for Non-Scientists, 2nd Edition. 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