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Six not- so- easy pieces

No American scientist of the twentieth century is better known to a wider range of people than Richard P. Feynman (1918-1988) -- physicist, teacher, author and cultural icon. His autobiographies and biographies have been read and enjoyed by millions of readers around the world, while his wit and eccentricities have made him the subject of television specials and even a theatrical film. The spectacular download of Feynman's Six Easy Pieces (published in 1995) resulted in a worldwide clamour for More Feynman! More Fanman! The result is these six additional lectures, coming from the famous three-volume Lectures on Physics. Though slightly more challenging than the first six, these lectures are more focused, deepening the most revolutionary discovery in twentieth-century physics: Einstein's Theory of Relativity. No breakthrough in twentieth-century physics (with the possible exception of quantum mechanics) changed our view of the world more than that of Einstein's discovery of relativity. The notions that the flow of time is not a constant, that the mass of an object depends on its speed, and that the speed of light is a constant no matter what the movement of the observer, at first seemed shocking to scientists and laypeople alike. But, as Feynman shows so clearly and so amusingly in the lectures selected for this volume, these crazy concepts are not mere dry principles of physics, but are the things of beauty and elegance. No one -- not even Einstein himself -- explained these difficult, counter-intuitive concepts more clearly, or with more verve and enthusiasm, than Richard Feynman. Description No American scientist of the twentieth century is better known to a wider range of people than Richard P. Feynman (1918-1988) -- physicist, teacher, author and cultural icon. His autobiographies and biographies have been read and enjoyed by millions of readers around the world, while his wit and eccentricities have made him the subject of television specials and even a theatrical film. The spectacular download of Feynman's Six Easy Pieces (published in 1995) resulted in a worldwide clamour for More Feynman! More Fanman! The result is these six additional lectures, coming from the famous three-volume Lectures on Physics. Though slightly more challenging than the first six, these lectures are more focused, deepening the most revolutionary discovery in twentieth-century physics: Einstein's Theory of Relativity. No significant in twentieth-century physics (with the possible exception of quantum mechanics) it did not change our view of the world more than that of Einstein's discovery of relativity. The notions that the flow of time is not a constant, that the mass of an object depends on its speed, and that the speed of light is a constant no matter what the movement of the observer, at first seemed shocking to and lay people. But, as Feynman shows so clearly and so amusingly in the lectures selected for this volume, these crazy concepts are not mere dry principles of physics, but are the things of beauty and elegance. No one -- not even Einstein himself -- explained these difficult, counter-intuitive concepts more clearly, or with more verve and enthusiasm, than Richard Feynman. Price \$15.99 \$14.71 Publisher Basic Books Publish Date March 22, 2011 Pages 184 Dimensions 5.4 x 8.1 x 0.5 inches | 0.35 lbs English Language Paperback Type EAN/UPC 9780465025268 Richard P. Feynman (1918-1988) was Richard Chace Tolman Professor of Theoretical Physics at the California Institute of Technology. He was awarded the Nobel Prize in 1965 for his work on the development of quantum field theory. It was also one of the most famous and beloved figures of the twentieth century, both in the physical and in the public arena. Space Cowboy Science Favorite VIEW LIST (32 BOOKS) Richard Phillips Feynman was an American theoretical physicist and one of the most famous science communicators of the late 20th century. Here's a look back at his book Six's Not So Easy Pieces: Einstein's Relativity, Symmetry and Spacetime, which we examined in 1998. Feynman, Richard P., Six not-so-easy pieces: Einstein's Relativity, Symmetry, and Space-Time. Addison-Wesley, 1997. Rating: Highly recommended level: College, General Audiences Six Not-so-easy pieces, like its predecessor, Six Easy Pieces, is a collection of six lectures culled from Feynman's well-known lectures on Physics. While the previous collection focused on what might be considered the essence of a first-year physics lesson (with a chapter on quantum mechanics thrown in for spice), this second collection looks at the most glamorous side of physics: relativity and space-time. Any distillation of Feynman's three-volume lectures on physics is bound to be a difficult task if one is to present a convincing view of the material. The concepts covered in this work are often interwoven in all chapters of the Six Not-So-Easy Pieces, since Feynman wanted to show connectivity between different areas of physics. In such a short book, the challenge is not to explain all the details, but to make the volume legible. And Feynman does that pretty effectively. Because the book covers such a large area, it would be difficult to pin it down to a single physics lesson, but it would make an excellent complement to a course on modern physics. Chapter four deals with relativistic energy and momentum, and the department for physics and not only is it fun, but it also offers an explanation as to why Newton could not discover the theory of special relativity. The chapters on space-time and convex space are probably outside the scope of a typical modern physics course, which deals with general relativity, but the in the clocks in the gravitational fields has valuable knowledge that the students of the second year of physics would find useful. At the very least, a first-half calculus lesson is useful to appreciate many of six not-so-easy pieces -- in particular, chapters one and six. An understanding of derivatives is considered throughout the book, and a background in vector analysis would not hurt either. As with the original Lectures, one's deepest background in physics, the more enjoyable the book will be. It is interesting that Feynman himself, in his introduction to lectures (which were written to cover an introductory physics course at Cal Tech), did not consider them all to be successful. In fact, most students find the true value of these lectures after re-reading them as high-level postgraduate students. Overall, Brian Hatfield and David Pines, who advised on selecting the pieces, did a remarkable job in selecting chapters from the features that gave the best overview of these difficult thematic areas, and, as a result, the volume turns out to be a more interesting reading.-J. Lawrence DeCarlo, senior scientist, Northrup Grumman Corporation, Bethpage, N.Y. Originally published April 24, 2014. Check out our Throwback Thursday Archives for more great classic reviews. I first came across this book series, written by Richard P. Feynman, at my local book retailer and was surprised at their size. Despite the nature of their theme, they are only a few hundred pages in length. Usually scientific books are much thicker tumors. But when someone realizes that these books were written from notes coming for student presentations by Feynman, then size doesn't really matter. I am more inclined to buy a thin book than a fat book because in addition to being cheaper to buy and easier to carry, it should be an easier book to read. Undoubtedly, size is a marketing ploy, but it means that these books are accessible to too many more people. The information contained in these books, often illustrated with original drawings of the author, helps to transmit some quite complex theories. These theories may be right or perhaps wrong, but they serve to highlight the thoughts of a genius that many professionals believe antagonized Einstein in terms of his view of how the universe works. Feynman was a controversial, colorful, some say eccentric theoretical physicist who cared little about the convention and left an indelible mark on understanding science. I bought 3 books in this series and I bought 3 for a friend's birthday. No doubt I will buy other books in the same order when I have time to read them. The delivery partner will place the order in your backyard and take a step back to maintain a distance of 2 meters. Customer signatures are not required at the time of delivery. For Pay-on-Delivery orders, we recommend that you pay by credit/debit card/Netbanking via the payment link sent sent SMS at the time of delivery. To pay in cash, place cash over the delivery box and take a step back. Amazon directly manages delivery for this product. Order delivery tracking on your doorstep is available. Get recommended reads, deals, and more of the basic books Clicking on 'Subscribe', I recognize that I've read and agree to Hachette Book Group's privacy policy and the terms of use Feynman's Tips for Physics is a delightful collection of Richard P. Feynman's ideas and an essential companion to his legendary Feynman Lectures on Physics With... Many appreciate Richard P. Feynman's contributions to twentieth-century physics, but few realize how busy he was with the world around him - how deep and... I'm an explorer, okay? I like to hear it! - One of the towering figures of twentieth-century science, Richard Feynman possessed a curiosity that was... This collection by a scientist and Nobel peace laureate highlights the achievements of a man whose career reshaped his understanding of the world of quantum electrodynamics. Teh... Learn from a Nobel Peace Prize winner in this fun and educational guide to physics, written for the enjoyment of curious beginners and aspiring scientists... Scientists...