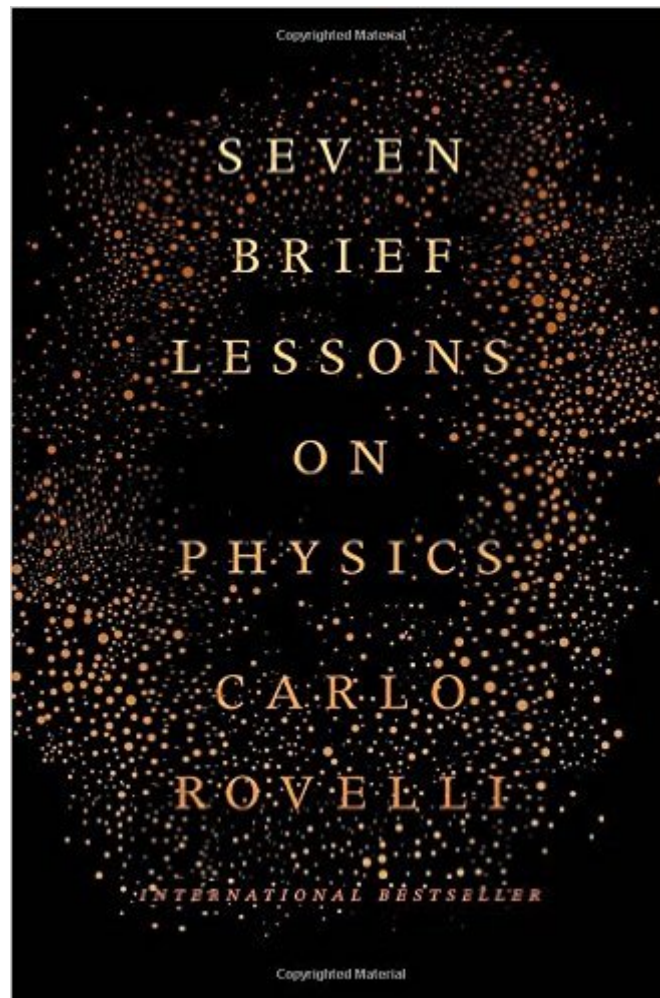


The book was found

Seven Brief Lessons On Physics



Synopsis

Look out for Carlo Rovelli's next book, *Reality Is Not What It Seems*. Instant New York Times Bestseller! Clear, elegant...a whirlwind tour of some of the biggest ideas in physics. "The New York Times Book Review" A startling and illustrative distillation of centuries of science. "The Economist" Lean, lucid and enchanting. "New Scientist" All the beauty of modern physics in seven short and enlightening lessons! This playful, entertaining, and mind-bending introduction to modern physics briskly explains Einstein's general relativity, quantum mechanics, elementary particles, gravity, black holes, the complex architecture of the universe, and the role humans play in this weird and wonderful world. Carlo Rovelli, a renowned theoretical physicist, is a delightfully poetic and philosophical scientific guide. He takes us to the frontiers of our knowledge: to the most minute reaches of the fabric of space, back to the origins of the cosmos, and into the workings of our minds. The book celebrates the joy of discovery. "Here, on the edge of what we know, in contact with the ocean of the unknown, shines the mystery and the beauty of the world," Rovelli writes. "And it's breathtaking."

Book Information

Hardcover: 96 pages

Publisher: Riverhead Books; Tra edition (March 1, 2016)

Language: English

ISBN-10: 0399184414

ISBN-13: 978-0399184413

Product Dimensions: 5.4 x 0.5 x 7.6 inches

Shipping Weight: 6.4 ounces (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars See all reviews (501 customer reviews)

Best Sellers Rank: #2,733 in Books (See Top 100 in Books) #3 in Books > Textbooks > Science & Mathematics > Physics #5 in Books > Science & Math > Astronomy & Space Science > Cosmology #15 in Books > Science & Math > Physics

Customer Reviews

This is indeed, a very brief book of very brief lessons or chapters, and it is intriguing, elusive, seductive and ultimately humbling all at once. I'll need to read it again several times over. The easy elegance and poetry of the writing deceptively masks a whole world of things being described, and the broader, better lessons aren't really about physics at all. Hitherto, my last experience with physics was a 2nd semester senior class in high school when, (having been accepted to

university), I temporarily lost patience for absorbing further conceptual learning. I did, however, have ample capacity for sniggering at the nerds in the class who were capable of using physics concepts, 3 paper clips and assorted other parts to construct a functioning radio. I read about this book in the Economist. I bought this book, in part, to atone for my high school sins, and also to finally overcome my phobia of the general theory of relativity. I also wanted it as a quick way to get refreshed on key physics concepts in "bite size" bits, suitable for impressing people at parties. (Because To be impressive at parties, everyone really should have their own "elevator speech" ready on the meaning of the theory of relativity, right?) This book gave me both more and less than I bargained for. I still don't have my elevator speeches on topics such as relativity, quantum mechanics, thermodynamics or black holes; the lessons are indeed elegant but without sufficient detail to fully master the topics at hand. In fact, if anything, the simplicity and elegance of the book have made me feel even stupider than when I started - if this Italian Physics professor can describe these things so simply and elegantly, I really must be a half-wit, because I'm still mystified.

Every once in a while it's a good idea to stand back from the daily necessities of our lives and look back and marvel at what we as human beings have accomplished in our understanding of ourselves and our universe. In very few instances is this wonder more apparent than in an appreciation of the discoveries that physics has made regarding space and time. In this short and highly readable book, Italian physicist Carlo Rovelli leads us through a tour of what he thinks are seven of the foremost ideas (or "lessons") in physics. These are ideas which have not just furthered our understanding of our material world but which have also expanded our consciousness and connected us to our origins and future. Rovelli's writing is often poignant and beautiful, simple and without frills and from the heart, and I would be lying if I said the experience wasn't uplifting. Personally I would have included an extra eighth lesson on chaos theory and complexity since I think those are going to be key scientific issues in the 21st century. Also, there is little new per se in here which would not be familiar to physics aficionados. But as it stands Rovelli's offering is a marvelous feast which should ignite a renewed sense of inspiration regarding the reach and beauty of science even in hardened veterans. The first lesson is about Einstein's general theory of relativity which saw yet another towering validation this year with the discovery of gravitational waves. The Russian physicist Lev Landau called it the "most beautiful theory" and I would say there would be few contenders for that title. The basic equation of the theory fits on a napkin, and the essentials of the framework are both startling and elegant.

[Download to continue reading...](#)

Seven Brief Lessons on Physics GO! with Microsoft PowerPoint 2013 Brief, GO! with Microsoft Excel 2013 Brief, GO! with Microsoft Access 2013 Brief Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Head First Physics: A learner's companion to mechanics and practical physics (AP Physics B - Advanced Placement) A Brief Guide to Islam: Brief Histories Robert's Rules of Order Newly Revised In Brief, 2nd edition (Roberts Rules of Order in Brief) A Brief History of Misogyny: the World's Oldest Prejudice: Brief Histories Technical Design Solutions for Theatre: The Technical Brief Collection Volume 2 (Technical Brief Collection S) A Brief History of the Samurai: Brief Histories A Brief History of Seven Killings: A Novel A Brief History of Seven Killings The Physics of Wall Street: A Brief History of Predicting the Unpredictable Seven Natural Wonders of Australia and Oceania (Seven Wonders) Seven Concurrency Models in Seven Weeks: When Threads Unravel (The Pragmatic Programmers) Seven Years: Seven, Book 1 A Match for Magnolia (Seven Suitors for Seven Sisters Book 1) The Seven Checkpoints for Student Leaders: Seven Principles Every Teenager Needs to Know Seven Databases in Seven Weeks: A Guide to Modern Databases and the NoSQL Movement Learning Game Physics with Bullet Physics and OpenGL Sterling Test Prep GRE Physics Practice Questions: High Yield GRE Physics Questions with Detailed Explanations

[Dmca](#)