



## Modern Physics

By Serway, Raymond A.; Moses, Clement J.; Moyer, Curt A.

Cengage Learning, 2004. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!  
 Summary: 1. RELATIVITY I. Special Relativity. The Principle of Relativity. The Michelson-Morley Experiment. Postulates of Special Relativity. Consequences of Special Relativity. The Lorentz Transformation. Spacetime and Causality. Summary. 2. RELATIVITY II. Relativistic Momentum and Relativistic Form of Newton's Laws. Relativistic Energy. Mass as a Measure of Energy. Conservation of Relativistic Momentum, Mass, and Energy. General Relativity. Summary. Web Essay 1: The Renaissance of General Relativity. 3. THE QUANTUM THEORY OF LIGHT. Hertz's Experiments-Light as an Electromagnetic Wave. Blackbody Radiation. The Rayleigh-Jeans Law and Planck's Law (Online). Light Quantization and the Photoelectric Effect. The Compton Effect and X-Rays. Particle-Wave Complementarity. Does Gravity Affect Light? (Optional). Summary. Web Appendix 1: Calculation of the Number of Modes of Waves in a Cavity. 4. THE PARTICLE NATURE OF MATTER. The Atomic Nature of Matter. The Composition of Atoms. The Bohr Atom. Bohr's Correspondence Principle, or Why is Angular Momentum Quantized? Direct Confirmation of Atomic Energy Levels: The Franck-Hertz Experiment. Summary. 5. MATTER WAVES. The Pilot Waves of de Broglie. The Davisson-Germer Experiment. TEM and SEM microscopes. Wave Groups and Dispersion. Fourier Integrals (Optional). The Heisenberg Uncertainty Principle. If...



**READ ONLINE**  
 [ 7.72 MB ]

### Reviews

*Without doubt, this is the very best operate by any publisher. Indeed, it can be enjoy, nevertheless an amazing and interesting literature. You may like how the writer compose this pdf.*

-- **Toni Bechtelar**

*This published pdf is fantastic. Sure, it really is enjoy, continue to an amazing and interesting literature. I found out this publication from my dad and i suggested this pdf to learn.*

-- **Burdette Buckridge**

## You May Also Like



### **Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)**

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How and Which Niche? Market Analysis: Who Are...



### **Maisy's Christmas Tree**

Candlewick, 2014. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The final scene of the gang caroling around the tree, complete with paper crowns from British Christmas crackers, is delightful. Toddlers celebrating the holiday will enjoy...



### **Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep**

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children unwind and go to sleep. The underlying...



### **The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)**

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB COLLECTION REVEALED PREMIUM EDITION. This one of...



### **Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book. the genuine special part of the spot...



### **JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2006-01-01 Pages: 179 Publisher: the China Pictorial Our book is all new book of genuine special spot any...