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Nota di contenuto	Book Jacket Cover; Book Cover; Physical Properties of Carbon Nanotubes; Preface; Contents; CHAPTER 1 Carbon Materials; CHAPTER 2 Tight Binding Calculation of Molecules and Solids; CHAPTER 3 Structure of a Single-Wall Carbon Nanotube; CHAPTER 4 Electronic Structure of Single-Wall Nanotubes; CHAPTER 5 Synthesis of Carbon Nanotubes; CHAPTER 6 Landau Energy Bands of Carbon Nanotubes; CHAPTER 7 Connecting Carbon Nanotubes; CHAPTER 8 Transport Properties of Carbon Nanotubes; CHAPTER 9 Phonon Modes of Carbon Nanotubes; CHAPTER 10 Raman Spectra of Carbon Nanotubes CHAPTER 11 Elastic Properties of Carbon NanotubesAppendix; References; Index
Sommario/riassunto	This is an introductory textbook for graduate students and researchers from various fields of science who wish to learn about carbon

nanotubes. The field is still at an early stage, and progress continues at a rapid rate. This book focuses on the basic principles behind the physical properties and gives the background necessary to understand the recent developments. Some useful computational source codes which generate coordinates for carbon nanotubes are also included in the appendix.
