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Nota di contenuto	Intro -- Preface -- Contents -- Appendix A: Abbreviations, acronyms -- Appendix B: List of Symbols -- Appendix C: Universal Physical Constants -- Appendix D: Properties of Silicon and Germanium -- Appendix E: Properties of SiO ₂ and Si ₃ N ₄ (300 K) -- Appendix F: International System of Units, SI -- Appendix G: The Greek Alphabet -- Appendix H: Conversion Factors -- Appendix I: Periodic Table of the Elements -- Answers to Review Questions -- Solution Manual -- Index.
Sommario/riassunto	This book is one of a series of five volumes forming an integrated, self-study course on silicon device physics, modes of operation, characterization, and fabrication. The series is based on many years of the author's experience in academic and industrial teaching of semiconductors. The books are suitable for both class-teaching and self-study. The authors have designed the content to enable readers to be introduced gradually to semiconductors, in particular silicon components. The presentation includes many illustrations, practical examples, review questions and problems at the end of each chapter. Answers to review questions and solutions to problems will be provided

for “self-check”. Complements courses covering silicon device physics, mode of components, characterization, and fabrication; Enables comprehensive, self-study in semiconductors, aimed at practicing engineers or university students; Includes many illustrations, practical examples, review questions and problems at the end of each chapter.
