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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 327 Publisher: Mechanical Industry Press Pub. Date :2008-09. Semiconductor Physics and Devices. a more systematic comprehensive overview of the basics of semiconductor physics and semiconductor devices typically works. work characteristics. Topics include: basic properties of semiconductor materials. PN junction mechanism and characteristics of bipolar transistors. MOS field-effect transistors. semiconductor device fabrication technology. Ga in the SiO₂ Si-doped structure of the open-tube six chapters. After the contents of each chapter with a summary of thinking questions and exercises. Publishing the book appendix. Appendix A is a semiconductor physics and devices. the main symbol table. Appendix B is a commonly used physical constants table. appendix c is germanium. silicon. gallium arsenide. the main physical properties of the table. Appendix D is the pursuit of diffusion junction impurity concentration gradient charts and methods. Of the semiconductor physics and devices of the chapter can be individually selected or used in any combination. Semiconductor Physics and Devices as a semiconductor. microelectronic technology. applied physics and other electronic information compulsory undergraduate teaching. but also as electronics-related undergraduate and graduate elective course materials. as well as for information technology officers. Semiconductor Physics and Devices with a free courseware. please choose semiconductor physics and devices as the material obtained from the teacher. Contents: Preface Chapter 1 the basic properties of semiconductor materials. semiconductor and basic crystal structure of 1.1 1.1.1 1.1.2 semiconductor semiconductor materials. the basic characteristics of the crystal structure 1.1.3 1.1.4 1.1.5 crystal surface and its representation of semiconductor materials 1.2 Introduction 1.2.1 semiconductor band energy levels of electrons in isolated atoms in the electron energy 1.2.2 crystal silicon with a 1.2.3 formation of the band energy band diagram of the...



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