## Film Physics and Devices (General National Eleventh Five-year higher education planning materials)



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## Reviews

Thorough information! Its such a good study. Sure, it is perform, still an amazing and interesting literature. Once you begin to read the book, it is extremely difficult to leave it before concluding. (Evie Emmerich)

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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: 332 Publisher: Defense Industry Pub. Date: 2011-05-01 version 1 Shaw be congruent compiled a thin-film physics and devices. mainly discusses the film physics and thin film devices of the basic content, and an overview of the new material technology has important applications in several major types of thin film materials. The book systematically describes the preparation of thin-film chemical and physical principles and methods. including vapor deposition. sputtering. ion plating. chemical vapor deposition. solution-film technology; also introduced the film formation. film structure and defects. the electrical properties of thin films. mechanical properties. semiconductor properties. magnetic properties. superconducting properties. etc.; also outlined several important class of membrane materials and their properties analyzed and summarized the relevant research developments. Thin Film Physics and Devices can be used as materials science and engineering. electronic science and engineering. electronic materials and components. semiconductor physics and devices. Applied Physics and other professional materials or teaching reference books are also available for the relevant technology, business, company management and technical personnel for reference. Contents: Chapter vacuum technology. vacuum-based 1.1-based nature of rarefied gas 1.2 1.3 1.4 vacuum vacuum to obtain the measurement exercises and reflection questions prepared chapter film physical thin-film technology 2.1 Overview 2.2 Preparation 2.3 sputtering vacuum evaporation coating ion beam coating film 2.4 2.5 2.6 Molecular beam epitaxy and pulsed laser deposition technique exercises thinking questions Chapter chemical film technology 3.1 Overview 3.2 Preparation of chemical vapor deposition film of chemical solution 3.3 Preparation 3.4 Preparation of thin film technology 3.5 ultra-soft solution thin organic LB film preparation technique exercises and reflection questions Chapter thin films of related technologies 4.1 4.2 substrate film thickness measurement and monitoring 4.3 4.4 Preparation...

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