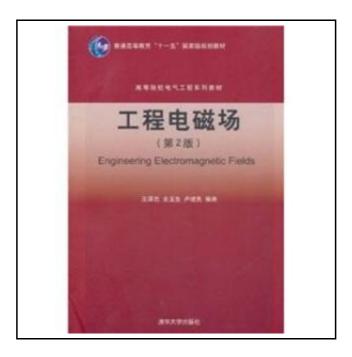
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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 328 Publisher: Tsinghua University. Pub. Date: 2011-01-01 version 2. WANG Ze-zhong, all Yusheng compiled the engineering electromagnetic field, first edition is based on teaching quality of higher education project in Beijing electrical engineering textbook written . Higher Education in Beijing in 2006 was named quality materials. 2nd edition in 2008. included in the general higher education. Eleventh Five-Year national planning materials. The book reflects the content system for engineering the electromagnetic field. Chapter 1 Vector Analysis and field theory is based on the mathematical basis of the book. focusing on the gradient. divergence and curl definition. calculation and computation rules. Chapter 2 -Chapter 5. respectively. from Coulomb's law. the charge conservation law. Ampere's law. Faraday's law and Maxwell displacement current assumptions derived from the electrostatic field. a constant electric field. constant magnetic field and time-varying electromagnetic field of the basic equations; with medium auxiliary equation. discuss the interface of media convergence conditions; finally electromagnetic field expressed as boundary value problem. Chapter 6 discusses the boundary value problem of analytical integration method. separation of variables method and image method. Chapter 7 describes the principle of weighted residual based finite element method and boundary element method. Chapter 8 ~ Chapter 10 discusses the electromagnetic field energy. respectively. calculated plane electromagnetic wave theory and circuit parameters. Chapter 11 describes the typical electrical engineering electromagnetic field problems. including the transformer's magnetic field. the motor's magnetic field. electric insulators. three-phase transmission linefrequency electromagnetic environment and the three-phase transmission line capacitance and inductance parameters. Engineering electromagnetic fields universities and colleges for undergraduate electrical engineering students to use as a textbook or reference books, but also for related professional graduate students. teachers and...

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