## Engineering electromagnetic fields and waves



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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: 339 Publisher: Huazhong University Press Pub. Date :2009-01. electromagnetic fields and electromagnetic engineering, the content and by refining the concept of clear. detailed description of the electromagnetic field and electromagnetic wave theory, the basic principles involved, the basic law, the basic analytical methods and basic calculation methods, highlighting the usefulness of the theory of electromagnetic fields and electromagnetic waves. Engineering the electromagnetic field and electromagnetic waves. divided into 10 chapters. including the basis of vector analysis. electromagnetic fields and the basic physical laws, the static electromagnetic field in the media, the static field boundary value problem. time-varying electromagnetic field. plane waves, guided waves, electromagnetic radiation, basic Introduction to electromagnetic simulation software - Ansoft HFSS and electromagnetic applications. Each chapter are a selection that covers the core content of teaching examples and exercises. moderate degree of difficulty. easy to readers to consolidate the teaching materials. Engineering the electromagnetic field and electromagnetic waves. Electronics and information can be used as undergraduate majors, graduate students and engaged in microwave engineering, electromagnetic measurement, radio technology and other areas of technical personnel. materials. or as a reference for scientific and technical personnel. Contents: Fundamentals first field wave vector analysis of the l basis of Chapter 1.1 Scalar and Vector 1.1.1 1.1.2 scalar and vector scalar vector field and vector field op 1.2 1.2.1 1.2.2 vector algebra vector x 1.2 1.2.4 .3 vector function derivative vector function. integral 1.3 scalar field and directional derivative scalar field gradient 1.3.1 isosurface contour 1.3.2 with the direction of the scalar field derivative of the scalar field gradient 1.3.3 1.3. 4 Hamiltonian operator of the divergence vector field 1.4 Gauss divergence theorem and the vector lines 1.4.1...



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