



# electromagnetic engineering fundamentals: basic electromagnetic theory. microwave technology. antenna base

By GAO JIAN PING

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 468 Publisher: Northwestern Polytechnical University Press Pub. Date :2008-01. This book is intended to make electronic and information engineering and communication engineering undergraduate students or professionals in related scientific and technical personnel familiar with and master the electromagnetic wave generation, transmission and reception of the theory, basic concepts and its application in engineering practice. The book is divided into three. Article is based on electromagnetic theory, focuses on vector analysis, electromagnetic field of the basic equations, theorems and methods of analysis, sinusoidal uniform plane electromagnetic wave propagation and reflection, refraction law and so on. Medium-length for the microwave technology, introduces several typical microwave transmission line, long-term theory, theory and methods of impedance matching, microwave cavity, microwave network theory (Introduction), microwave directional couplers and microwave filters and so on. Next to the antenna base, focuses on the basic theory of electromagnetic radiation, the main parameters of the antenna, symmetrical oscillator, slot antenna, the antenna mutual coupling, antenna arrays, horn antennas, reflector antennas and single-pulse radar antenna content. After each chapter are accompanied by a number of instructive, and engineering...

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