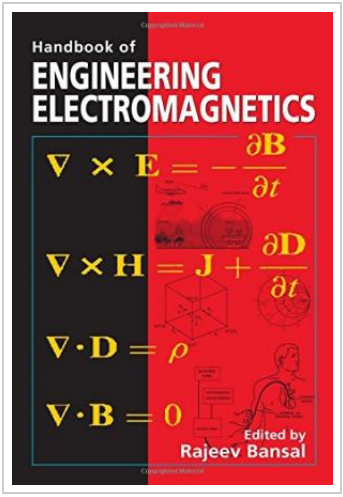

Handbook of Engineering Electromagnetics (Hardback)

By -

Taylor Francis Inc, United States, 2005. Hardback. Book Condition: New. New.. 256 x 178 mm. Language: English . Brand New Book. Engineers do not have the time to wade through rigorously theoretical books when trying to solve a problem. Beginners lack the expertise required to understand highly specialized treatments of individual topics. This is especially problematic for a field as broad as electromagnetics, which propagates into many diverse engineering fields. The time has come to find a middle ground. The Handbook of Engineering Electromagnetics links theory to specific applications with an integrated approach to areas such as wireless communications, fiber optics, microwaves, radar, materials science, and even biomedical engineering. This book not only provides the necessary formulas, figures, and tables, but also the underlying theory and insight needed to formulate and solve real-world engineering problems. A team of international experts discusses fundamental concepts such as Maxwell equations, static fields, electromagnetic induction, transmission lines, waveguides, and electromagnetic compatibility. They also explore specific technologies, various numerical techniques used for computer-aided solutions, biological effects and safety standards, biomedical applications, and measuring electromagnetic properties of biological materials. With tables and graphs integrated into the discussion, each chapter is a nearly self-contained oasis of practical...

Reviews

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