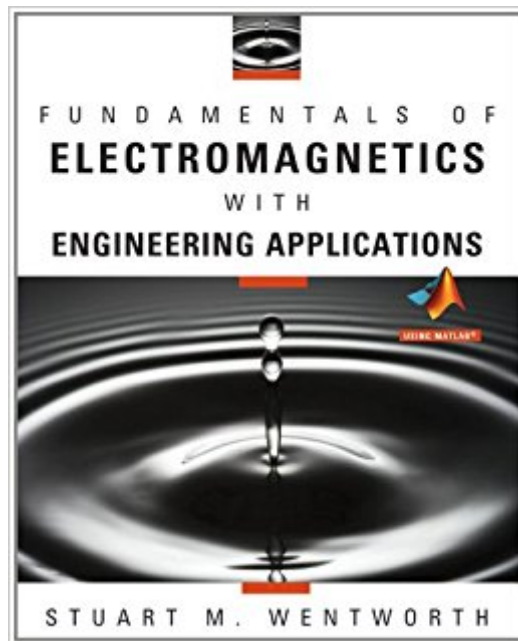




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Fundamentals Of Electromagnetics With Engineering Applications



Synopsis

With the rapid growth of wireless technologies, more and more people are trying to gain a better understanding of electromagnetics. After all, electromagnetic fields have a direct impact on reception in all wireless applications. This text explores electromagnetics, presenting practical applications for wireless systems, transmission lines, waveguides, antennas, electromagnetic interference, and microwave engineering. It is designed for use in a one- or two-semester electromagnetics sequence for electrical engineering students at the junior and senior level. The first book on the subject to tackle the impact of electromagnetics on wireless applications: Includes numerous worked-out example problems that provide you with hands-on experience in solving electromagnetic problems. Describes a number of practical applications that show how electromagnetic theory is put into practice. Offers a concise summary at the end of each chapter that reinforces the key points. Detailed MATLAB examples are integrated throughout the book to enhance the material.

Book Information

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Good book for my class

Good one

Its really good book, it touches the most important issues about electromagnetic with out getting into

much details. The other useful feature of this book is that there are some dedicated chapters about transmission lines, wave guides, antennas and brief microwave engineering. Great book, I haven't found any that explains this hard subject in a very down to earth language that makes it easy to understand...This book also combines between the electromagnetics theory and its applications, which you surely won't find in any other books(bonus). I recommend this book for those who are new to the field or just started taking some microwave engineering courses. This book is an official textbook for "RF lines and antennas" course at my university

I strongly recommend this book to all electromagnetic students and lecturers. The two main reasons are: 1) it is a well written book and, 2) the note added by the author to the students on the "success in learning electromagnetics" (Preface, page X) points out correctly the "way or path" to achieve the goal on this subject.

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