

# **Fundamentals of Electromagnetics with Engineering Applications**

Stuart M. Wentworth

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## Fundamentals of Electromagnetics with Engineering Applications

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Fundamentals of Electromagnetics with Engineering Applications Stuart M. Wentworth 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.



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