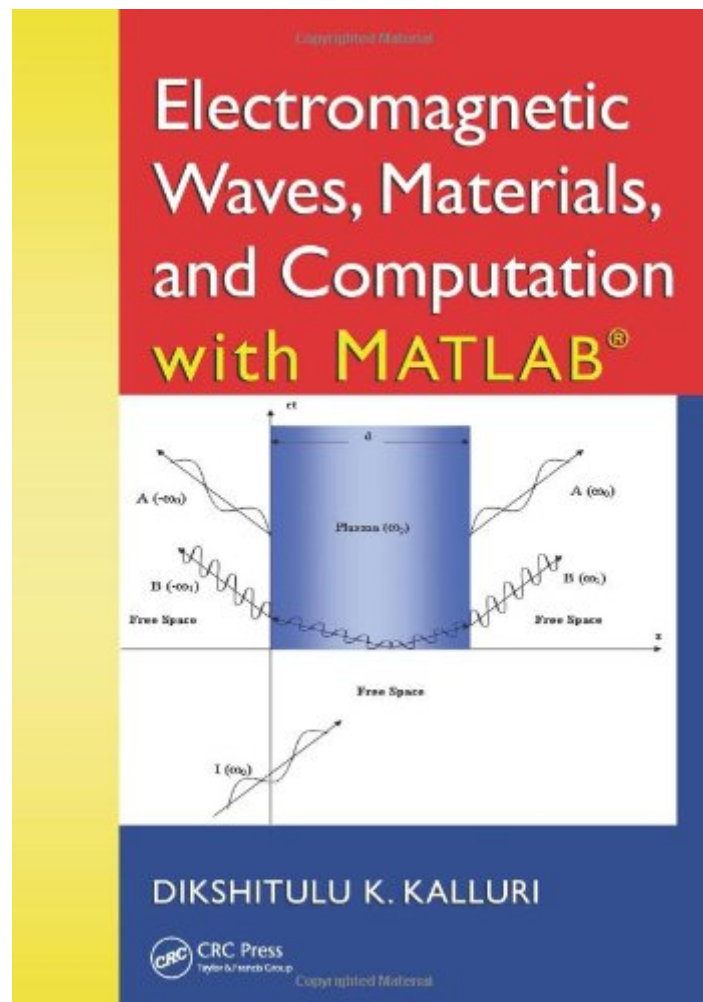


# Electromagnetic Waves, Materials, and Computation with MATLAB® PDF



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Electromagnetic Waves, Materials, and Computation with MATLAB® by Dikshitulu K. Kalluri ISBN 1439838674

Readily available commercial software enables engineers and students to perform routine calculations and design without necessarily having a sufficient conceptual understanding of the anticipated solution. The software is so user-friendly that it usually produces a beautiful colored visualization of that solution, often camouflaging the fact that the program is executing the wrong simulation of the physical problem.

**Electromagnetic Waves, Materials, and Computation with MATLAB®** takes an integrative modern approach to the subject of electromagnetic analysis by supplementing quintessential "old

school" information and methods with instruction in the use of newer commercial software such as MATLAB and methods including FDTD. Delving into the electromagnetics of bounded simple media, equations of complex media, and computation, this text includes:

- Appendices that cover a wide range of associated issues and techniques
- A concluding section containing an array of problems, quizzes, and examinations
- A downloadable component for instructors including PowerPoint™ slides, solutions to problems, and more

Striking a balance between theoretical and practical aspects, internationally recognized expert Dikshitulu Kalluri clearly illustrates how intuitive approximate solutions are derived. Providing case studies and practical examples throughout, he examines the role of commercial software in this process, also covering interpretation of findings. Kalluri's extensive experience teaching this subject enables him to streamline and convey material in a way that helps readers master conceptual mathematical aspects. This gives them confidence in their ability to use high-level software to write code, but it also ensures that they will never be solely dependent on such programs.

## **Electromagnetic Waves, Materials, and Computation with MATLAB® Review**

This Electromagnetic Waves, Materials, and Computation with MATLAB® book is not really ordinary book, you have it then the world is in your hands. The benefit you get by reading this book is actually information inside this reserve incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This kind of Electromagnetic Waves, Materials, and Computation with MATLAB® without we recognize teach the one who looking at it become critical in imagining and analyzing. Don't be worry Electromagnetic Waves, Materials, and Computation with MATLAB® can bring any time you are and not make your tote space or bookshelves' grow to be full because you can have it inside your lovely laptop even cell phone. This Electromagnetic Waves, Materials, and Computation with MATLAB® having great arrangement in word and layout, so you will not really feel uninterested in reading.