



Electromagnetic Fields and Waves

R.L. YADAVA

Electromagnetic Fields & Waves

Author :	R.L. Yadava
ISBN 13 :	978-93-86173-54-6
ISBN 10 :	93-86173-54-9
E-ISBN 13 :	978-93-86173-54-6
Edition :	First
Pages :	416
Type of book :	Paperback
Weight (g) :	560.00
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 425.00
Categories :	Electrical, Electronics & Communication Engineering , Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

This book is designed to serve as a textbook for UG and PG students of Electronics and Communication, Electronics and Electrical, Electronics & Instrumentation and Telecommunication Engineering branches. It provides a thorough understanding of the electromagnetic theory and their properties, application and also the modern trends in Electromagnetism in detail. Book also describes transmission lines, wave guides, as well as the effects of EMI/EMC, including impedance matching and antennas. Written in an easy-to-understand manner, the book includes several illustrative examples, objective-type questions and exercise Questions to reinforce the theoretical understanding of subject. Appendices provide information and expressions as well as design data for references.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Table of Contents

Chapter 1: Introduction. **Chapter 2:** Vector Analysis and Coordinate System. **Chapter 3:** Electrostatic Fields. **Chapter 4:** Magnetic Static Fields. **Chapter 5:** Maxwell's Equations and Uniform Plane Wave. **Chapter 6:** Electromagnetic Waves and Flow of Power. **Chapter 7:** Transmission Lines. **Chapter 8:** Broadband Impedance Matching. **Chapter 9:** Waveguides. **Chapter 10:** Principle of Radiation and Antennas. **Chapter 11:** Electromagnetic Interference and Compactibility. **Chapter 12:** Solved Examples. **Chapter 13:** Objective Question Bank. **Chapter 14:** Objective Questions Test Series. **Chapter 15:** References. **Chapter 16:** Appendix. **Index**

Author

R.L. Yadava

Dr. R.L. YADAVA, is Professor in the department of ECE, Galgotias College of Engg. and Technology, Gr. Noida, UP. During his doctoral work he was associated with R&D project funded by DST, Govt. of India. After receiving Ph.D. degree, he joined VIT University, Vellore T.N, in 2001 and served as Head of Microwave Division, Coordinator R&D and Coordinator (UG) of Electrical Sciences. During his service at VIT, he was deputed as visiting faculty to KIGALI UNIVERSITY, KIGALI Center Africa. He has been coordinator of M. Tech program of U.P. Technical University, 2007-08. He has organized several guest lectures, short-term training program, FDPs and conferences in the field of microwaves and Antennas. His research areas includes: Waveguides, Microwaves and Microstrip Antennas. He has guided several M. Tech dissertations and 05 Ph.Ds. He has 120 publication in International/ National Journals, Conferences and Symposiums. He is Member of ISTE, SEMCE (I) and IEEE.

