

Microwave Engineering By Gsn Raju

The RF and Microwave Handbook
 Microelectronics, Electromagnetics and Telecommunications
 Electromagnetic Field Theory and Transmission Lines
 Electromagnetic Field Theory
 Antennas and Wave Propagation
 Analysis and Design
 Classical Electromagnetism in a Nutshell
 Proceedings of OWT 2018
 Principles Of Electromagnetics, 4Th Edition, International Version
 Proceedings of the Fourth ICMEET 2018
 Principles of Electrodynamics
 Radar Engineering
 Antennas and Wave Propagation: Fourth Edition
 Electromagnetics and Transmission Lines
 Radar Principles
 Electronic Devices and Circuits
 RF and Microwave Circuits, Measurements, and Modeling
 Microwave, Radar & RF Engineering
 Electromagnetic Field Theory
 Transmission Lines & Waveguides
 Microelectronics, Electromagnetics and Telecommunications
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 Electromagnetic Field Theory and Transmission Lines
 Introducing Google's Mobile Development Platform
 WAVE PROPAGATION AND ANTENNA ENGINEERING
 With Laboratory Manual
 Fractal Apertures in Waveguides, Conducting Screens and Cavities
 Proceedings of International Conference on Remote Sensing for Disaster Management
 COMPUTATIONAL FLUID DYNAMICS AND HEAT TRANSFER.
 Optical and Wireless Technologies
 Proceedings of the International Conference on Millimeter Wave & Microwave, ICOMM-90, December 19-21, 1990, Defence Electronics Applications Laboratory
 Microwave and Radar Engineering
 Electronic Devices and Circuits
 Design of Machine Elements
 Antenna Pattern Synthesis
 Electromagnetic Fields & Waves
 Proceedings of ICMEET 2015
 Antennas and Wave Propagation

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CHAMBERS BLAINE

The RF and Microwave Handbook Springer

Electromagnetic Field Theory and Transmission Lines is an ideal textbook for a single semester, first course on Electromagnetic Field Theory (EMFT) at the undergraduate level. This book uses plain and simple English, diagrammatic representations and real life examples to explain the fundamental concepts, notations, representation and principles that govern the field of EMFT. The chapters cover every aspect of EMFT from electrostatics to advanced topics dealing with Electromagnetic Interference (EMI)/Electromagnetic Compatibility (EMC), EMC standards and design methods for EMC. Careful and deta.

[Microelectronics, Electromagnetics and Telecommunications](#)
 Technical Publications

The book is written for an undergraduate course on the transmission lines and waveguides. It provides comprehensive coverage of four terminal networks, filters, transmission lines and various types of waveguides. The book starts with explaining the symmetrical and asymmetrical four terminal networks which form the basis of filters. Then book provides the detailed discussion of various types of filters. The discussion of composite filters and crystal filter is also included in the book. The book covers the transmission line parameters in detail along with reflection on a line, reflection loss and reflection factor. The chapter on transmission line at radio frequency includes parameters of line at high frequency, standing waves, standing wave ratio, single stub matching, double stub matching and Smith chart. The book covers the various aspects of guided waves between parallel planes. It also provides the discussion of rectangular and circular waveguides. At the end book incorporates the discussion of resonators. Each chapter provides the detailed explanation of the topic, practical examples and variety of solved problems. The explanations are given using very simple and lucid language. All the chapters are arranged in a specific sequence which helps to build the understanding of the subject in a logical fashion. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

[Electromagnetic Field Theory and Transmission Lines](#) CRC Press
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Electromagnetic Field Theory I. K. International Pvt Ltd
 Google Android dominates the mobile market, and by targeting Android, your apps can run on most of the phones and tablets in the world. This new fourth edition of the #1 book for learning

Android covers all modern Android versions from Android 4.1 through Android 5.0. Freshly added material covers new Android features such as Fragments and Google Play Services. Android is a platform you can't afford not to learn, and this book gets you started. Android is a software toolkit for mobile phones and tablets, created by Google. It's inside more than a billion devices, making Android the number one platform for application developers. Your own app could be running on all those devices! Getting started developing with Android is easy. You don't even need access to an Android phone, just a computer where you can install the Android SDK and the emulator that comes with it. Within minutes, Hello, Android gets you creating your first working application: Android's version of "Hello, World." From there, you'll build up a more substantial example: an Ultimate Tic-Tac-Toe game. By gradually adding features to the game, you'll learn about many aspects of Android programming, such as creating animated user interfaces, playing music and sound effects, building location-based services (including GPS and cell-tower triangulation), and accessing web services. You'll also learn how to publish your applications to the Google Play Store. This fourth edition of the bestselling Android classic has been revised for Android 4.1-4.3 (Jelly Bean), 4.4 (KitKat), and Android 5.0 (Lollipop). Topics have been streamlined and simplified based on reader feedback, and every page and example has been reviewed and updated for compatibility with the latest versions of Android. If you'd rather be coding than reading about coding, this book is for you.

Springer

Microwave and Radar Engineering presents the essential features and focuses on the needs of students who take up the subject at undergraduate and postgraduate levels of electronics and communications engineering courses. Spread across 17 chapters, the book begins with a discussion of wave equations and builds upon the topics step by step with ample illustrations and examples that delineate the concepts to the student's benefit. The book will also come in handy for aspirants of competitive examinations.

TATA McGraw-Hill Publishing Company

The book discusses the latest developments and outlines future trends in the fields of microelectronics, electromagnetics and telecommunication. It contains original research works presented at the International Conference on Microelectronics, Electromagnetics and Telecommunication (ICMEET 2018), organised by GVP College of Engineering (A), Andhra Pradesh, India. The respective papers were written by scientists, research scholars and practitioners from leading universities, engineering colleges and R&D institutes from all over the world, and share the latest breakthroughs in and promising solutions to the most important issues facing today's society.

Antennas and Wave Propagation Princeton University Press

An investigation was made toward evolving a method of two-dimensional antenna pattern synthesis such that antenna specifications involving dimensionality, shape, and the constituent relations can be related to the frequency characteristics. (Author).

Analysis and Design Tata McGraw-Hill Education

Antennas and Wave Propagation is written for the first course on the same. The book begins with an introduction that discusses the fundamental concepts, notations, representation and principles that govern the field of antennas. A separate chapter on mathematical preliminaries is discussed followed by chapters on every aspect of antennas from Maxwell's equations to antenna array analysis, antenna array synthesis, antenna measurements and wave propagation.

Classical Electromagnetism in a Nutshell Springer

This is a textbook for upper undergraduate and graduate courses on microwave engineering, written in a student-friendly manner with many diagrams and illustrations. It works towards developing a foundation for further study and research in the field. The book begins with a brief history of microwaves and introduction to core concepts of EM waves and wave guides. It covers equipment and concepts involved in the study and measurement of microwaves. The book also discusses microwave propagation in space, microwave antennae, and all aspects of RADAR. The book provides core pedagogy with chapter objectives, summaries, solved examples, and end-of-chapter exercises. The book also includes a bonus chapter which serves as a lab manual with 15 simple experiments detailed with proper circuits, precautions, sample readings, and quiz/viva questions for each experiment. This book will be useful to instructors and students alike.

Proceedings of OWT 2018 Pearson Education India

This book contains the applications of radars, fundamentals and advanced concepts of CW, CW Doppler, FMCW, Pulsed doppler, MTI, MST and phased array radars etc. It also includes effect of different parameters on radar operation, various losses in radar systems, radar transmitters, radar receivers, navigational aids and radar antennas. Key features : -Nine chapters exclusively suitable for one semester course in radar engineering. * More than 100 solved problems. * More than 1000 objective questions with answers. * More than 600 multiple choice questions with answers. * Five model question papers. * Logical and self-understandable system description.

[Principles Of Electromagnetics, 4Th Edition, International Version](#)
 PHI Learning Pvt. Ltd.

The aim of this book is to give an introduction to the fundamental principles of antennas and wave propagation. Unlike other books available, there is more emphasis on mathematical explanation in addition to physical understanding. Physical principles are explained in detail with clear diagrams to support the theory.

Proceedings of the Fourth ICMEET 2018 Technical Publications

Microwave Engineering I. K. International Pvt Ltd

Principles of Electrodynamics KHANNA PUBLISHING HOUSE

The book is primarily designed to cater to the needs of undergraduate and postgraduate students of Electronics and Communication Engineering and allied branches. It also caters for fundamental requirements of professionals working on design and development of antenna and wave propagation related equipment either in research laboratories or industries or academic institutions elsewhere. The book has been written with intent to grasp the basic understanding of theoretical as well as practical aspects of electromagnetic wave propagation and antenna engineering. The text has been aptly scripted considering the requirements of average students who can easily grasp and comprehend the basics of wave propagation and radiation mechanism of varieties of antennas coupled with their critical functionalities, utilities, advantages/disadvantages without any external assistance of teachers or other reference books. The book broaches very well on practical methods of parametric measurements of antenna with right measuring test equipment and associated tools. The last chapter of the book is dedicated to advance technology adopted in design and development of modern antenna. Key features • A fairly large number of well labelled diagrams to provide practical understanding of the concepts. • The placement of numericals at appropriate places develops confidence among readers and enthruses them further to read in depth to crack any regular or competitive examinations. • Chapter summary highlights important points for quick recap and revision before examination. • Well-crafted multiple choice questions with answers at the end of each chapter to stimulate thought process and prepare better for viva-voce and competitive examinations. • Appropriate number of unsolved numerical problems with answers to improve problem solving skill of students.

Radar Engineering I. K. International Pvt Ltd

The comprehensive study of electric, magnetic and combined fields is nothing but electromagnetic engineering. Along with electronics, electromagnetics plays an important role in other branches. The book is structured to cover the key aspects of the course Electromagnetic Field Theory for undergraduate students. The knowledge of vector analysis is the base of electromagnetic engineering. Hence book starts with the discussion of vector analysis. Then it introduces the basic concepts of electrostatics such as Coulomb's law, electric field intensity due to various charge distributions, electric flux, electric flux density, Gauss's law, divergence and divergence theorem. The book continues to explain the concept of elementary work done, conservative property, electric potential and potential difference and the energy in the electrostatic fields. The detailed discussion of current density, continuity equation, boundary conditions and various types of capacitors is also included in the book. The book provides the discussion of Poisson's and Laplace's equations and their use in variety of practical applications. The chapter on magnetostatics incorporates the explanation of Biot-Savart's law, Ampere's circuital law and its applications, concept of curl, Stoke's theorem, scalar and vector magnetic potentials. The book also includes the concept of force on a moving charge, force on

differential current element and magnetic boundary conditions.

The book covers all the details of Faraday's laws, time varying fields, Maxwell's equations and Poynting theorem. Finally, the book provides the detailed study of uniform plane waves including their propagation in free space, perfect dielectrics, lossy dielectrics and good conductors. The book uses plain, lucid language to explain each topic. The book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy. The variety of solved examples is the feature of this book which helps to inculcate the knowledge of the electromagnetics in the students. Each chapter is well supported with necessary illustrations and self-explanatory diagrams. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

Antennas and Wave Propagation: Fourth Edition Tata McGraw-Hill Education

Though good books are available but on self-contained concise & comprehensive textbook covering the syllabus of indigenous universities is not available. The present Microwave Engineering is an attempt in that direction. Starting with the fundamentals, the book discusses: Microwaves and their Applications; Microwave Tubes; Microwave Semiconductor Devices; Scattering Matrix Parameters; Microwave Passive Components; Microwave Transmission Lines; Microwave Integrated; Circuits; Microwave Antennas; and Microwave Measurements

Electromagnetics and Transmission Lines I. K. International Pvt Ltd

This book deals with the design and analysis of fractal apertures in waveguides, conducting screens and cavities using numerical electromagnetics and field-solvers. The aim is to obtain design solutions with improved accuracy for a wide range of applications. To achieve this goal, a few diverse problems are considered. The book is organized with adequate space dedicated for the design and analysis of fractal apertures in waveguides, conducting screens and cavities, microwave/millimeter wave applications followed by detailed case-study problems to infuse better insight and understanding of the subject. Finally, summaries and suggestions are given for future work. Fractal geometries were widely used in electromagnetics, specifically for antennas and frequency selective surfaces (FSS). The self-similarity of fractal geometry gives rise to a multiband response, whereas the space-filling nature of the fractal geometries makes it an efficient element in antenna and FSS unit cell miniaturization. Until now, no efforts were made to study the behavior of these fractal geometries for aperture coupling problems. The aperture coupling problem is an important boundary value problem in electromagnetics and used in waveguide filters and power dividers, slotted ground planes, frequency selective surfaces and metamaterials. The present book is intended to initiate a study of the characteristics of fractal apertures in waveguides, conducting screens and cavities. To perform a unified analysis of these entirely dissimilar problems, the "generalized network formulation of the aperture problems" by Mautz and Harrington was extended to multiple-aperture geometry. The authors consider the problem of coupling between two arbitrary regions coupled together via

multiple apertures of arbitrary shape. MATLAB codes were developed for the problems and validated with the results available in the literature as well as through simulations on ANSOFT's HFSS.

Radar Principles John Wiley & Sons

This volume presents selected papers from the 2nd International Conference on Optical and Wireless Technologies, conducted from 10th to 11th February, 2018. It focuses on extending the limits of currently used systems encompassing optical and wireless domains, and explores novel research on wireless and optical techniques and systems, describing practical implementation activities, results and issues. The book will serve as a valuable reference resource for academics and researchers across the globe.

Electronic Devices and Circuits Microwave Engineering

Aimed at a single-semester course on antennas at the undergraduate level, Antennas and Wave Propagation provides a lucid explanation of the fundamentals of antennas and propagation. This student-friendly text also includes simple design procedures along with a large number of examples and exercises. RF and Microwave Circuits, Measurements, and Modeling Springer The natural disasters are the killer agents which can/can't be predicted even though we have modern technology. Every year, in one place or another, disasters striking which is devastating the area and surroundings, leading to ecological disruption besides huge loss of life and property. India is vulnerable to cyclones, landslides/avalanches, earthquakes, floods, droughts, forest fires, epidemics, etc. The 5700-km long coast of India, with its dense population is vulnerable to cyclones/low depressions, tsunamis, etc. The 2400-km long rugged Himalayan terrain is vulnerable to landslides, avalanches and earthquakes. India is not only vulnerable to natural disasters, it is also experiencing industrial accidents. The Bhopal Gas tragedy is one of the major man-made disasters in the world. The state of Andhra Pradesh has 970-km long coastline with two major rivers, etc. The conference is conducted in Visakhapatnam, is famous for industries and tourism. Recently, several industrial accidents took place, besides major natural disasters like Hud-Hud, etc. Disaster management shall be implemented from the grass root level in vulnerable areas to improve the capacity building, so as to minimize the losses. The capacity building coupled with technology results in reduction of loss of life and property.

Microwave, Radar & RF Engineering Springer

An advanced treatment of the main concepts of radar. Systematic and organized, it nicely balances readability with mathematical rigor. Many techniques and examples have been chosen from the radar industry (Rayleigh fluctuating targets are used as they yield simple expressions for the probability of detection), and others for their pedagogical value (Costas signals lead the coded radar signals because their ambiguity function can be intuitively deduced). Ordered statistics is covered in more depth than other CFAR techniques because its performance can be obtained analytically without resorting to simulation methods. Contains many exercises. An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department.

Best Sellers - Books :

- [Our Class Is A Family \(our Class Is A Family & Our School Is A Family\) By Shannon Olsen](#)
- [The Going To Bed Book By Sandra Boynton](#)
- [To Kill A Mockingbird By Harper Lee](#)
- [Playground By Aron Beauregard](#)
- [What To Expect When You're Expecting](#)
- [Guess How Much I Love You](#)
- [The Woman In Me](#)
- [My First Library : Boxset Of 10 Board Books For Kids By Wonder House Books](#)
- [The Mountain Is You: Transforming Self-sabotage Into Self-mastery By Brianna Wiest](#)
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