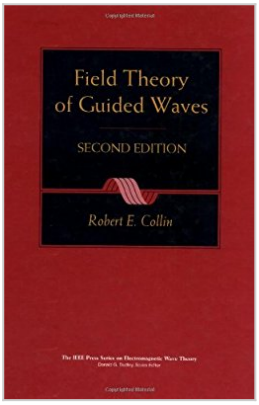


# Field Theory of Guided Waves

*By Robert E. Collin*



**Field Theory of Guided Waves** By Robert E. Collin

"Co-published with Oxford University Press Long considered the most comprehensive account of electromagnetic theory and analytical methods for solving waveguide and cavity problems, this new Second Edition has been completely revised and thoroughly updated -- approximately 40% new material!Packed with examples and applications FIELD THEORY OF GUIDED WAVES provides solutions to a large number of practical structures of current interest. The book includes an exceptionally complete discussion of scalar and Dyadic Green functions. Both a valuable review and source of basic information on applied mathematical topics and a hands-on source for solution methods and techniques, this book belongs on the desk of all engineers working in microwave and antenna systems!"

Sponsored by:
IEEE Antennas and Propagation Society

# Field Theory of Guided Waves

*By Robert E. Collin*

**Field Theory of Guided Waves** By Robert E. Collin

"Co-published with Oxford University Press Long considered the most comprehensive account of electromagnetic theory and analytical methods for solving waveguide and cavity problems, this new Second Edition has been completely revised and thoroughly updated -- approximately 40% new material!Packed with examples and applications FIELD THEORY OF GUIDED WAVES provides solutions to a large number of practical structures of current interest. The book includes an exceptionally complete discussion of scalar and Dyadic Green functions. Both a valuable review and source of basic information on applied mathematical topics and a hands-on source for solution methods and techniques, this book belongs on the desk of all engineers working in microwave and antenna systems!"

Sponsored by:
IEEE Antennas and Propagation Society

**Field Theory of Guided Waves By Robert E. Collin Bibliography**

- Sales Rank: #1489226 in Books
- Brand: Brand: Wiley-IEEE Press
- Published on: 1990-12-01
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 10.24" h x 1.86" w x 7.26" l, 3.54 pounds
- Binding: Hardcover
- 864 pages

## Editorial Review

From the Back Cover
Electrical Engineering/Electromagnetics Field Theory of Guided Waves Second Edition A volume in the IEEE/OUP Series on Electromagnetic Wave Theory Donald G. Dudley, Series Editor Long considered the most comprehensive account of electromagnetic theory and analytical methods for solving waveguide and cavity problems, Field Theory of Guided Waves has been thoroughly revised and updated in this second edition. By introducing new subject areas and increasing coverage of others, the author has significantly enhanced the usefulness of this new edition. The method of presentation is clear and informative and new examples and problems greatly aid comprehension. This second edition also includes an important chapter on scalar and dyadic Green’s functions, which is essentially all new, as well as new material on layered media, microstrip lines, dielectric resonators, integral equations, and numerical solutions to reflect current geometrical configurations. About the series Formerly the IEEE Press Series on Electromagnetic Waves, this new joint series between IEEE Press and Oxford University Press offers even better coverage of the field, with new titles as well as reprintings and revisions of recognized classics that maintain long-term archival significance in electromagnetic waves and applications. Designed specifically for graduate students, practicing engineers, and researchers, this series provides affordable volumes that explore electromagnetic waves and applications beyond the undergraduate level.

About the Author
About the author Robert E. Collin received the B.Sc. degree in engineering physics from the University of Saskatchewan in 1951. He attended Imperial College in England for graduate work and obtained the Ph.D. degree in electrical engineering from the University of London in 1954. From 1954 to 1958 he was a Scientific Officer at the Canadian Armament Research and Development Establishment, where he worked on missile guidance antennas, radomes, and radar systems evaluation. He joined the Electrical Engineering Department at Case Institute of Technology (now Case Western Reserve University), Cleveland, Ohio, in 1958. During his tenure there he has served as Chairman of the Electrical Engineering and Applied Physics Department for five years and also as Interim Dean of Engineering for two years. He is the author/co-author of more than 100 technical papers and several books, including Foundations for Microwave Engineering, Antennas and Radiowave Propagation, a co-author with R. Plonsey of Principles and Applications of Electromagnetic Fields, and a co-editor with F. Zucker and contributing author of Antenna Theory, Parts I and II. Professor Collin is a member of the National Academy of Engineering and a member of the IEEE Antennas and Propagation Society, the IEEE Microwave Theory and Techniques Society, and the USA Commission B of URSI. He is currently a member of the Administrative Committee of the IEEE Antennas and Propagation Society.

## Users Review

**From reader reviews:**

**Jose Longoria:**

Do you have something that you enjoy such as book? The guide lovers usually prefer to opt for book like comic, small story and the biggest an example may be novel. Now, why not striving Field Theory of Guided Waves that give your satisfaction preference will be satisfied by simply reading this book. Reading practice all over the world can be said as the method for people to know world much better then how they react in the direction of the world. It can't be claimed constantly that reading routine only for the geeky individual but for

all of you who wants to possibly be success person. So , for all of you who want to start reading through as your good habit, it is possible to pick Field Theory of Guided Waves become your current starter.

**Jacob Keys:**

Your reading sixth sense will not betray anyone, why because this Field Theory of Guided Waves book written by well-known writer who really knows well how to make book that may be understand by anyone who read the book. Written in good manner for you, dripping every ideas and producing skill only for eliminate your hunger then you still skepticism Field Theory of Guided Waves as good book not only by the cover but also by content. This is one reserve that can break don't judge book by its deal with, so do you still needing one more sixth sense to pick this kind of!? Oh come on your looking at sixth sense already told you so why you have to listening to an additional sixth sense.

**Mildred McConkey:**

You are able to spend your free time to read this book this guide. This Field Theory of Guided Waves is simple to bring you can read it in the playground, in the beach, train in addition to soon. If you did not have much space to bring the actual printed book, you can buy the actual e-book. It is make you quicker to read it. You can save typically the book in your smart phone. Thus there are a lot of benefits that you will get when you buy this book.

**Herman Hernandez:**

Reading a reserve make you to get more knowledge from the jawhorse. You can take knowledge and information originating from a book. Book is written or printed or created from each source in which filled update of news. On this modern era like right now, many ways to get information are available for you actually. From media social including newspaper, magazines, science guide, encyclopedia, reference book, book and comic. You can add your understanding by that book. Are you ready to spend your spare time to spread out your book? Or just looking for the Field Theory of Guided Waves when you desired it?

# Read Field Theory of Guided Waves By Robert E. Collin for online ebook

Field Theory of Guided Waves By Robert E. Collin Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Field Theory of Guided Waves By Robert E. Collin books to read online.

## Online Field Theory of Guided Waves By Robert E. Collin ebook PDF download

### Field Theory of Guided Waves By Robert E. Collin Doc

#### Field Theory of Guided Waves By Robert E. Collin Mobipocket

#### Field Theory of Guided Waves By Robert E. Collin EPub

#### SVU7TEQP32C: Field Theory of Guided Waves By Robert E. Collin