

MICROWAVE SYSTEM ENGINEERING PRINCIPLES

Samuel J. Raff

Pergamon

Microwave System Engineering Principles

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Microwave System Engineering Principles:

Microwave System Engineering Principles Samuel J. Raff, 2013-10-22 Microwave System Engineering Principles focuses on the calculus differential equations and transforms of microwave systems This book discusses the basic nature and principles that can be derived from thermal noise statistical concepts and binomial distribution incoherent signal processing basic properties of antennas and beam widths and useful approximations The fundamentals of propagation Laplace's Equation and Transmission Line TEM waves interfaces between homogeneous media modulation bandwidth and noise and communications satellites are also deliberated in this text This book is a good source for students and individuals intending to gain knowledge on numbers formulas and relationships relevant to the field of microwaves **FUNDAMENTALS OF**

MICROWAVE ENGINEERING Verma Seema, Singh Anoop, 2009 This book is primarily designed for courses in Microwave Engineering for undergraduate students of Electronics and Communication Engineering Besides it would be a useful text for students pursuing AMIE courses and M Sc students pursuing courses in physics and electronic sciences The book explains the basic principles with a view to providing the students with a thorough understanding of microwave devices and circuits It explains the analysis and design techniques used in microwave engineering It provides a unified presentation of solid state devices microwave tubes TWTs klystrons magnetrons and microwave circuits Concentrating on clarity of explanation the text provides a comprehensive presentation of the relevant theoretical aspects to allow students to easily assimilate this highly mathematical subject **Catalog of Copyright Entries. Third Series** Library of Congress. Copyright Office, 1979

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