

Microwave Engineering

Microwave Engineering is a textbook designed for students of electronics and communication engineering for a course on radio frequency and microwave engineering (namely, Microwave Engineering, Microwave and Radar Engineering, RF Engineering, Antennas and Radar, etc.). The text can also serve as reference material for postgraduate students. The book not only covers the basics of the subject, but also discusses its present trend and the latest developments. The book comprises of 20 chapters and covers in detail, topics such as transmission line, waveguides, microwave networks, passive and active devices (both solid state and vacuum), antenna, radar, microwave communication, as well as microwave measurements and radiation hazards. It optimizes physical concepts and mathematical derivations to describe the different topics in a lucid manner. Plenty of solved examples and problems with hints are provided to assist students in solving difficult problems. The MATLAB examples will be useful for laboratory experiments.



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