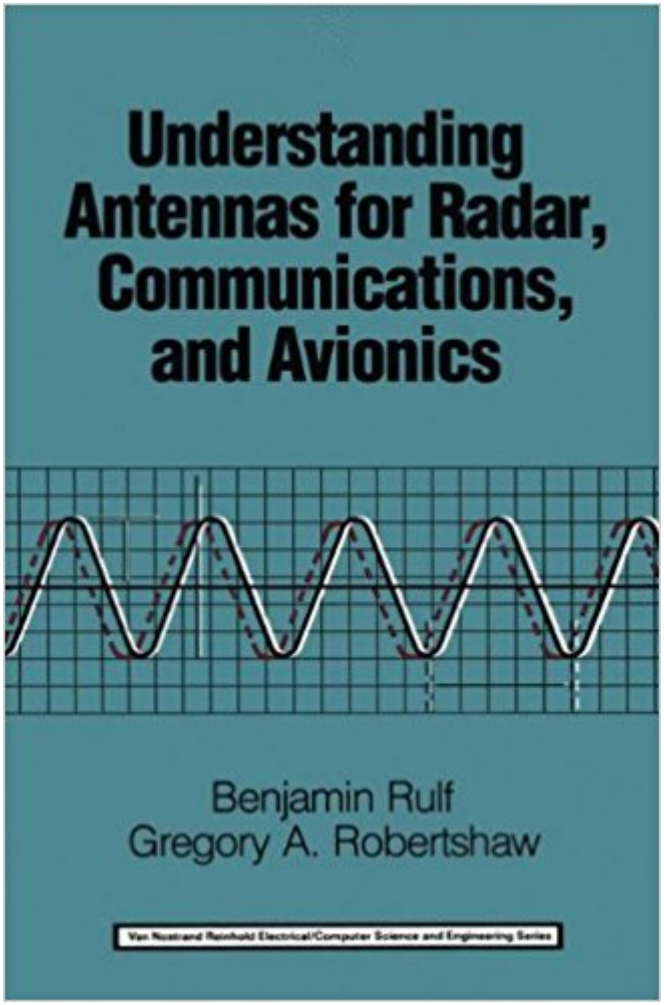
Understanding Antennas For Radar, Communications, And Avionics (Uni-TaschenbÃ¼cher)



Synopsis

Antennas are part of every radar, every communications system, and every electronic warfare system. Therefore antennas are an important technical subject. The number of antenna books that have been published in the last 5 years alone attest to this fact. But why another book about antennas? What does this book offer that is different from all the others? The answer is: accessibility. Most of the technical literature on antennas is written for those with extensive backgrounds in electromagnetic theory and familiarity with the mathematical language of vector analysis, differential equations, and special functions. This puts much of the antenna literature out of reach for the nonspecialist who needs to understand the subject but cannot afford the time required to become familiar with all the background material. With the rapid expansion of technical knowledge, the number of engiÂ- neering students who find themselves attracted to "classical" subjects, such as electromagnetic theory, is on the decline, making it increasingly difficult to train engineers in areas involving antennas. Some authors in other technical fields have recognized this problem. For example, books on solid-state elecÂ- tronic devices that do not require an extensive background in quantum meÂ- chanics are available, useful, and informative. This book fulfills a similar Ileed in the area of antennas.

Book Information

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Understanding Antennas for Radar, Communications, and Avionics (Uni-TaschenbÃ cher) Radar

Techniques Using Array Antennas (FEE radar, sonar, navigation & avionics series) Technical History of the Beginnings of Radar (Radar, Sonar, Navigation and Avionics) (History and Management of Technology) Weibull Radar Clutter (Radar, Sonar, Navigation and Avionics Series, 3) Radar Development to 1945 (Iee Radar, Sonar, Navigation and Avionics Series 2) Hand-carried QRP antennas: Simple antennas and accessories to operate from almost anywhere Introduction to Airborne Radar (Aerospace & Radar Systems (Software)) Test and Evaluation of Avionics and Weapon Systems (Electromagnetics and Radar) Test and Evaluation of Aircraft Avionics and Weapons Systems (Electromagnetics and Radar) Strapdown Inertial Navigation Technology (IEE Radar, Sonar, Navigation and Avionics Series) Applications of Space-Time Adaptive Processing (Iee Radar, Sonar, Navigation and Avionics) Principles of Space Time Adaptive Processing (Iee Radar, Sonar, Navigation and Avionics Series, 12) Strapdown Inertial Navigation Technology (Iee Radar, Sonar, Navigation and Avionics, No 5) Avionics: Development and Implementation (The Avionics Handbook, Second Edition) Avionics: Elements, Software and Functions (The Avionics Handbook, Second Edition) Jane’s Avionics 2007-2008 (Jane’s Flight Avionics) Uni the Unicorn and the Dream Come True Uni the Unicorn Die Welle (Ravensburger TaschenbÃ cher) (German Edition) Liverpool Street (Ravensburger TaschenbÃ cher) (German Edition)