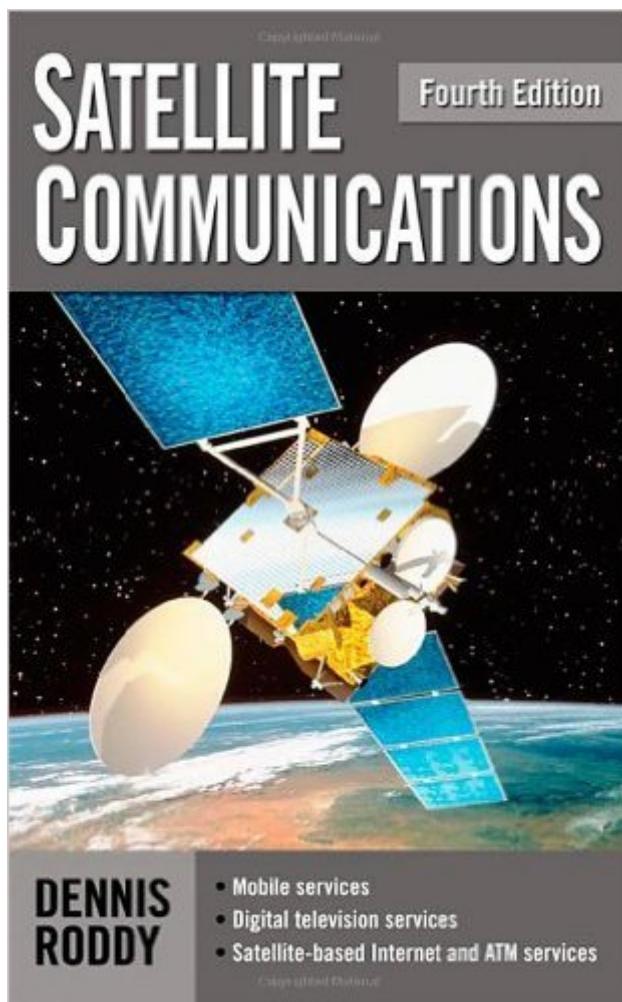


The book was found

Satellite Communications, Fourth Edition (Professional Engineering)



Synopsis

Master the fundamentals of satellite communications Highly regarded for more than a decade as both a teaching text and professional tutorial, this classic guide to satellite communications has been revised, updated, and expanded to cover global wireless applications, digital television, and Internet access via satellite. In-depth, textbook-style coverage combined with an intuitive, low-math approach makes this book particularly appealing to the wireless and networking markets New to this edition: Global wireless services, including 3G; Antenna Options, Error Coding

Book Information

Series: Professional Engineering

Hardcover: 656 pages

Publisher: McGraw-Hill Education; 4 edition (February 10, 2006)

Language: English

ISBN-10: 0071462988

ISBN-13: 978-0071462983

Product Dimensions: 6.2 x 1.6 x 9.1 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 starsÂ See all reviewsÂ (17 customer reviews)

Best Sellers Rank: #530,888 in Books (See Top 100 in Books) #11 inÂ Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Satellite #205 inÂ Books > Science & Math > Physics > Dynamics > Thermodynamics #349 inÂ Books > Science & Math > Physics > Electromagnetism

Customer Reviews

This is an excellent introduction to the field that's pitched at the undergraduate engineering level. It's clearly and concisely written and the writing overall is much better than what I'm used to finding for most engineering texts. It uses almost no calculus, actually, but there's a fair amount of trigonometry, which shouldn't be a problem for most people who will be reading this book. Its strength is in the breadth of coverage; some of the topics, such as entire antenna design, or digital signal theory, are huge areas just by themselves that you will need other books for if you need more depth there. By the way, the Schaum's Outline on Digital Signal Processing is outstanding if you're looking to get a leg up there. It's more concise, better written, and explains concepts better than the vast majority of the texts out there. It's also important to know the basics about radio and wireless communication before reading this book, otherwise it will just be too difficult. So you should already

know something about subjects such as analog and digital signals, amplitude and frequency modulation, basic filter concepts such as low and high pass filters, amplifiers, coders and decoders, frequency detectors, antenna principles, and so on, before reading this book. There's also a fair amount of microwave information in the book, but this is easier to pick up if you already have some idea about wireless radio communication. I agree with the other writer that one weakness of the book is it lacks coverage of the more recent developments such as current IP topologie, satellite Internet IP services like Hughes and BGAN, or discussion of current DVB-S or S2 technology, digital satellite services that are used all over the world now since 1995.

[Download to continue reading...](#)

Satellite Communications, Fourth Edition (Professional Engineering) Satellite Communications Systems Engineering: Atmospheric Effects, Satellite Link Design and System Performance Satellite Communications Systems Engineering (2nd Edition) Millimeter Wave Wireless Communications (Prentice Hall Communications Engineering and Emerging Technologies Series from Ted Rappaport) Innovations in Satellite Communication and Satellite Technology Satellite Communications Satellite Communications Fundamentals (Artech House space technology & applications library) Filter Design for Satellite Communications: Helical Resonator Technology Mobile Satellite Communications: Principles and Trends Satellite Communications Network Design and Analysis Communications at Sea: Marine Radio, Email, Satellite, and Internet Services Mobile Satellite Communications Handbook The Origins of Satellite Communications, 1945-1965 (Smithsonian History of Aviation and Spaceflight Series) Satellite Communications Systems: Systems, Techniques and Technology G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Smart Antennas for Wireless Communications: With MATLAB (Professional Engineering) July Fourth Cheer: A Rhyming Picture Book for Children about the Fourth of July, July 4th Cheer and Family Fun on the Fourth of July Data and Computer Communications (10th Edition) (William Stallings Books on Computer and Data Communications) Configuring Cisco Unified Communications Manager and Unity Connection: A Step-by-Step Guide (Networking Technology: IP Communications) Data and Computer Communications (William Stallings Books on Computer and Data Communications)

[Dmca](#)