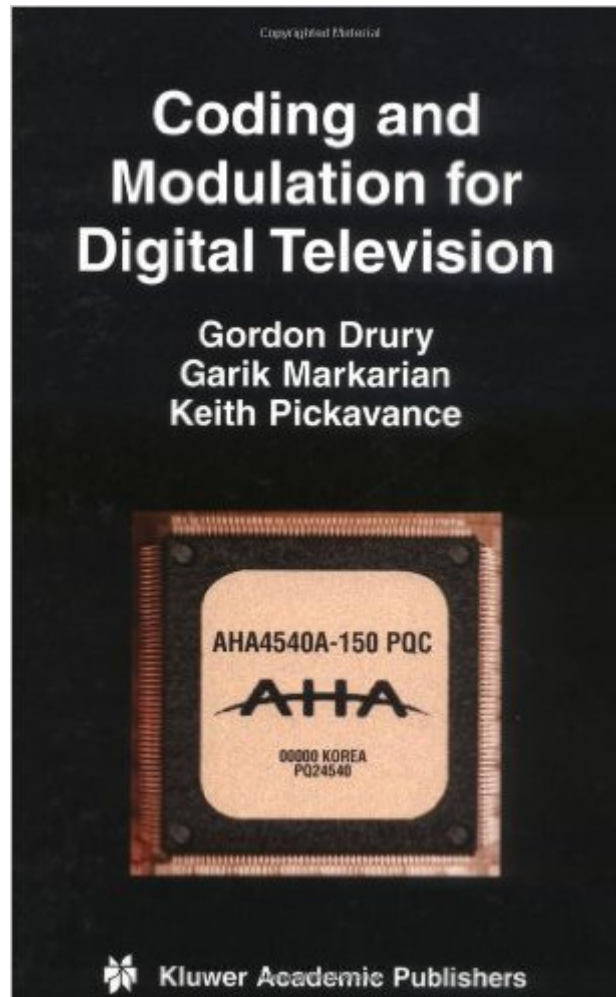


The book was found

Coding And Modulation For Digital Television (Multimedia Systems And Applications)



Synopsis

Coding and Modulation for Digital Television presents a comprehensive description of all error control coding and digital modulation techniques used in Digital Television (DTV). This book illustrates the relevant elements from the expansive theory of channel coding to how the transmission environment dictates the choice of error control coding and digital modulation schemes. These elements are presented in such a way that both the 'mathematical integrity' and 'understanding for engineers' are combined in a complete form and supported by a number of practical examples. In addition, the book contains descriptions of the existing standards and provides a valuable source of corresponding references. Coding and Modulation for Digital Television also features a description of the latest techniques, providing the reader with a glimpse of future digital broadcasting. These include the concepts of soft-in-soft-out decoding, turbo-coding and cross-correlated quadrature modulation, all of which will have a prominent future in improving efficiency of the next generation DTV systems. Coding and Modulation for Digital Television is essential reading for all undergraduate and postgraduate students, broadcasting and communication engineers, researchers, marketing managers, regulatory bodies, governmental organizations and standardization institutions of the digital television industry.

Book Information

Series: Multimedia Systems and Applications (Book 17)

Hardcover: 249 pages

Publisher: Springer; 2002 edition (January 15, 2001)

Language: English

ISBN-10: 0792379691

ISBN-13: 978-0792379690

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars Â Â See all reviews Â (1 customer review)

Best Sellers Rank: #5,779,715 in Books (See Top 100 in Books) #74 in Â Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Coding Theory #1297 in Â Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Television & Video #1592 in Â Books > Engineering & Transportation > Engineering > Civil & Environmental > Acoustics

Customer Reviews

I'm a young broadcast engineer working on digital terrestrial TV technology and architecture in order to develop the TV industry of my country (Islamic Republic of IRAN) and I need some technical materials about modulation techniques and issues related to this topic. So I have read almost all the books and also I have made an archive contained many papers and lecture documents in this field. There are below ten books related to OFDM modulation (and also 8VSB!) and the exact number might be 4 items! However this book contained a fast review of three global DTV systems (ATSC, DVB & ISDB) from the view point of coding and modulation and also had some useful issues about modulation and coding techniques; theory and practical aspects. At the end I can recommend this book for any professional who have not reached a professional level of design and implementation of DTV systems and anyone wished to be familiar with DTVs.

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

Coding and Modulation for Digital Television (Multimedia Systems and Applications) Television Is the New Television: The Unexpected Triumph of Old Media in the Digital Age Digital Speech: Coding for Low Bit Rate Communication Systems (Wiley Series in Communication and Distributed Systems) Modulation (Dover Books on Music) Coding Interview Ninja: 50 coding questions with Java solutions to practice for your coding interview. Cryptocurrency: Guide To Digital Currency: Digital Coin Wallets With Bitcoin, Dogecoin, Litecoin, Speedcoin, Feathercoin, Fedoracoin, Infinitecoin, and ... Digital Wallets, Digital Coins Book 1) Introduction to Data Compression, Second Edition (The Morgan Kaufmann Series in Multimedia Information and Systems) Multimedia Systems: Algorithms, Standards, and Industry Practices (Advanced Topics) Digital Coding of Waveforms: Principles and Applications to Speech and Video (Prentice-Hall Signal Processing Series) Error-Correction Coding for Digital Communications (Applications of Communications Theory) Hard Real-Time Computing Systems: Predictable Scheduling Algorithms and Applications (Real-Time Systems Series) Real-Time Systems: Design Principles for Distributed Embedded Applications (Real-Time Systems Series) Digital Systems: Principles and Applications (11th Edition) A Digital Signal Processing Primer: With Applications to Digital Audio and Computer Music Photography: DSLR Photography Secrets and Tips to Taking Beautiful Digital Pictures (Photography, DSLR, cameras, digital photography, digital pictures, portrait photography, landscape photography) Digital Painting Techniques: Practical Techniques of Digital Art Masters (Digital Art Masters Series) Photography: Complete Guide to Taking Stunning, Beautiful Digital Pictures (photography, stunning digital, great pictures, digital photography, portrait ... landscape photography, good pictures) Learn CSS in One Day and Learn It Well (Includes HTML5): CSS for Beginners with Hands-on Project. The only book you need to start coding in CSS ... Coding Fast

with Hands-On Project) (Volume 2) Java: The Ultimate Guide to Learn Java and Python
Programming (Programming, Java, Database, Java for dummies, coding books, java programming)
(HTML, ... Developers, Coding, CSS, PHP) (Volume 3) Coding, Bugs, and Fixes (Kids Get Coding)

[Dmca](#)