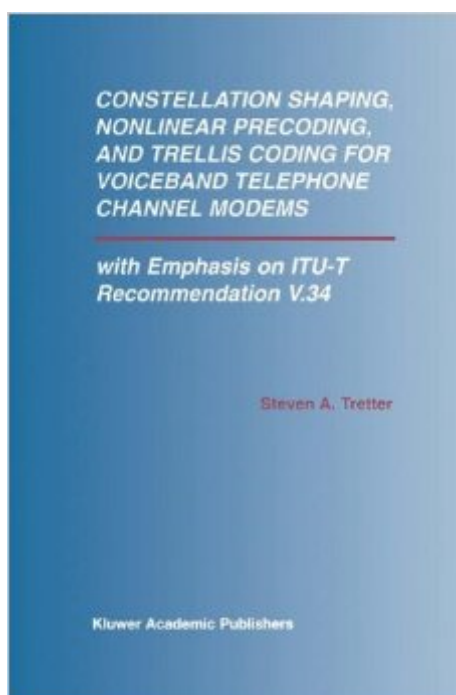


The book was found

# Constellation Shaping, Nonlinear Precoding, And Trellis Coding For Voiceband Telephone Channel Modems: With Emphasis On ITU-T Recommendation V.34 (The ... Series In Engineering And Computer Science)



## Synopsis

This book is an excellent reference for those working in the broad fields of communication theory, information theory, and modem design. It is essential for researchers in modulation and coding for voiceband telephone line modems; signal constellation design; nonlinear precoding for modems; and trellis coding. The author presents the theory behind the new modulation and coding techniques included in ITU-T Recommendation V.34. Topics discussed include signal constellation shaping by shell mapping, nonlinear precoding, four-dimensional trellis codes, and fast equalizer training by using periodic sequences and FFT methods. In addition, several approaches that were considered but not accepted are presented including trellis shaping, trellis precoding, and modulus conversion.

## Book Information

Series: The Springer International Series in Engineering and Computer Science (Book 673)

Hardcover: 266 pages

Publisher: Springer; 2002 edition (March 31, 2002)

Language: English

ISBN-10: 1402070063

ISBN-13: 978-1402070068

Product Dimensions: 6.1 x 0.7 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â See all reviews Â (1 customer review)

Best Sellers Rank: #2,498,094 in Books (See Top 100 in Books) #95 in Â Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Satellite #862 in Â Books > Engineering & Transportation > Engineering > Civil & Environmental > Acoustics #1231 in Â Books > Science & Math > Physics > Acoustics & Sound

## Customer Reviews

Constellation Shaping Nonlinear Precoding and Trellis Coding for Voiceband Telephone Channel Modems: With Emphasis on Itu t Recommendation V 34 (Kluwer International Series in Engineering and Computer Science, 673)by Steven A. Tretter

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

Constellation Shaping, Nonlinear Precoding, and Trellis Coding for Voiceband Telephone Channel Modems: with Emphasis on ITU-T Recommendation V.34 (The ... Series in Engineering and Computer Science) Trellis Decoding of Block Codes: A Practical Approach (The Kluwer

International Series in Engineering and Computer Science, 391) Face Image Analysis by  
Unsupervised Learning (The Kluwer International Series in Engineering and Computer Science,  
Volume 612) (The Springer International Series in Engineering and Computer Science) The  
Anatomy of a Business Strategy: Bell, Western Electric and the Origins of the American Telephone  
Industry (The Johns Hopkins / AT& T Series in Telephone History) The Telephone Enterprise: The  
Evolution of the Bell System's Horizontal Structure, 1876-1909 (The Johns Hopkins / AT& T Series  
in Telephone History) Hacking: The Ultimate Beginners Guide (Computer Hacking, Hacking and  
Penetration, Hacking for dummies, Basic security Coding and Hacking) (Hacking and Coding Book  
1) SQL: Beginner's Guide for Coding SQL (database programming, computer programming, how to  
program, sql for dummies, java, mysql, The Oracle, python, PHP, ... (HTML, Programming, Coding,  
CSS Book 7) HACKING: Beginner's Crash Course - Essential Guide to Practical: Computer  
Hacking, Hacking for Beginners, & Penetration Testing (Computer Systems, Computer  
Programming, Computer Science Book 1) Telephone Triage Protocols for Nursing (Briggs,  
Telephone Triage Protocols for Nurses098227) Telephone Triage Protocols for Nurses (Briggs,  
Telephone Triage Protocols for Nurses098227) Telephone Triage Protocols for Nurses (Briggs,  
Telephone Triage Protocols for Nurses) Global Propagation of Regular Nonlinear Hyperbolic Waves  
(Progress in Nonlinear Differential Equations and Their Applications, No. 76 ) The ITU and  
Managing Satellite Orbital and Spectrum Resources in the 21st Century (SpringerBriefs in Space  
Development) C++: The Crash Course to Learn C++ Programming and Computer Hacking (c plus  
plus, C++ for beginners, programming computer, hacking the system, how to ... Coding, CSS, Java,  
PHP) (Volume 9) Starry-Eyed: Seeing Grace in the Unfolding Constellation of Life and Motherhood  
45 Business School (MBA) Recommendation Letters That Made a Difference Through the Square  
Window (Poetry Book Society Recommendation) Ojibwe Sky Star Map - Constellation Guidebook:  
An Introduction to Ojibwe Star Knowledge Java: The Ultimate Guide to Learn Java and C++  
(Programming, Java, Database, Java for dummies, coding books, C programming, c plus plus,  
programming for ... Developers, Coding, CSS, PHP Book 2) JAVA: The Ultimate Guide to Learn  
Java Programming Fast (Programming, Java, Database, Java for dummies, coding books, java  
programming) (HTML, Javascript, ... Developers, Coding, CSS, PHP Book 1)

[Dmca](#)