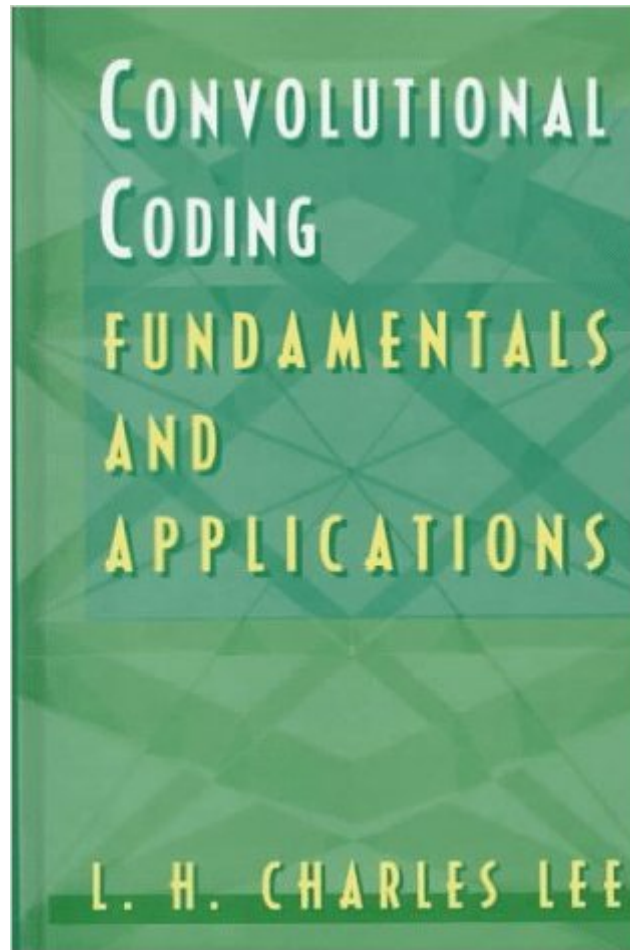# Convolutional Coding: Fundamentals And Applications (Artech House Communications Library)

Synopsis

Here is an exceptional reference for gaining first-hand theoretical and practical knowledge of error-control coding and decoding. This book examines the principles of rate-compatible punctured convolutional codes as well as combined coding, modulation and equalization for intersymbol interference channels. The author supplies sample codes for software simulations of practical digital communication systems, covers each class of codes in detail, and provides examples and simulation results.

Book Information

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Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)

Best Sellers Rank: #5,106,281 in Books (See Top 100 in Books)   #65 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Coding Theory   #2963 inÂ Books > Computers & Technology > Networking & Cloud Computing > Data in the Enterprise   #3420 inÂ Books > Computers & Technology > Networking & Cloud Computing > Networks, Protocols & APIs > Networks

Customer Reviews

It builds the convolution codes from basic arithmetic. Takes it advanced enough to build your own codes or understand others codes. Also explains related essential cocepts e.g. coding gain. It is the clearest book on coding that I have found out of 10 on the topic. I wish there was a similar one for block Reed-Solomon/BCH codes also.

Convolutional Coding: Fundamentals and Applications (Artech House Communications Library)

Error-Correction Coding for Digital Communications (Applications of Communications Theory)

Integrated Microwave Front-Ends with Avionics Applications (Artech House Microwave Library

(Hardcover)) Broadband Networking ATM, Adh and SONET (Artech House Telecommunications Library) Codes for Error Control and Synchronization (Artech House Communication & Electronic Defense Library) Software Verification and Validation: A Practitioner's Guide (Artech House Computer Library (Hardcover)) Software Fault Tolerance Techniques and Implementation (Artech House Computing Library) Practical Guide to Software Quality Management (Artech House Computer Science Library) Agile Systems with Reusable Patterns of Business Knowledge: A Component-Based Approach (Artech House Computing Library) Coding Interview Ninja: 50 coding questions with Java solutions to practice for your coding interview. Wireless and Mobile Networking: IFIP Joint Conference on Mobile Wireless Communications Networks (MWCN'2008) and Personal Wireless Communications ... in Information and Communication Technology) Convolutional Neural Networks in Python: Master Data Science and Machine Learning with Modern Deep Learning in Python, Theano, and TensorFlow (Machine Learning in Python) Deep Belief Nets in C++ and CUDA C: Volume III: Convolutional Nets (Volume 3) Fundamentals of Information Theory and Coding Design (Discrete Mathematics and Its Applications) Finite Fields, Coding Theory, and Advances in Communications and Computing (Lecture Notes in Pure and Applied Mathematics) Tiny Houses: Tiny House Plans, Woodworking on a Tiny House and Living Mortgage Free (Tiny Houses, Tiny House Living, Tiny House Plans, Small Homes, Woodworking Book 1) Modulated Coding for Intersymbol Interference Channels (Signal Processing and Communications) Coding, Communications, and Broadcasting (Electronic & Electrical Engineering Research Studies) Data Communications and Networking Fundamentals Using Novell Netware Release 3.11 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)