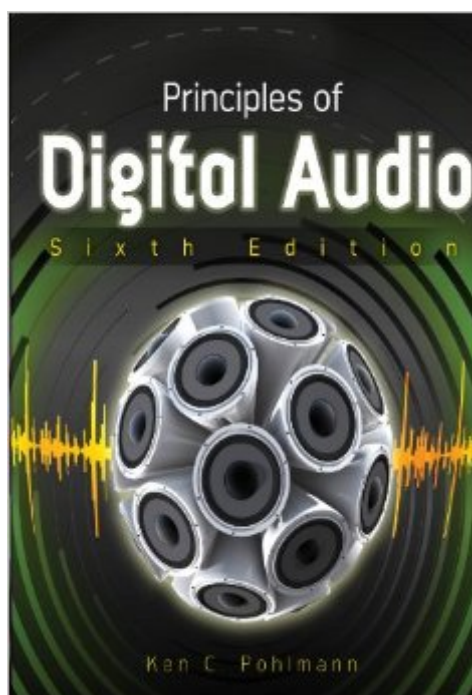


The book was found

Principles Of Digital Audio, Sixth Edition (Digital Video/Audio)



Synopsis

The definitive guide to digital engineering--fully updated Gain a thorough understanding of digital audio tools, techniques, and practices from this completely revised and expanded resource. Written by industry pioneer and Audio Engineering Society Fellow Ken C. Pohlmann, *Principles of Digital Audio*, Sixth Edition, describes the technologies behind today's audio equipment in a clear, practical style. Covering basic theory to the latest technological advancements, the book explains how to apply digital conversion, processing, compression, storage, streaming, and transmission concepts. New chapters on Blu-ray, speech coding, and low bit-rate coding are also included in this bestselling guide. Learn about discrete time sampling, quantization, and signal processing Examine details of CD, DVD, and Blu-ray players and discs Encode and decode AAC, MP3, MP4, Dolby Digital, and other files Prepare content for distribution via the Internet and digital radio and television Learn the critical differences between music coding and speech coding Design low bit-rate codecs to optimize memory capacity while preserving fidelity Develop methodologies to evaluate the sound quality of music and speech files Study audio transmission via HDMI, VoIP, Wi-Fi, and Bluetooth Handle digital rights management, fingerprinting, and watermarking Understand how one-bit conversion and high-order noise shaping work

Book Information

File Size: 35873 KB

Print Length: 816 pages

Simultaneous Device Usage: Up to 4 simultaneous devices, per publisher limits

Publisher: McGraw-Hill Education TAB; 6 edition (October 6, 2010)

Publication Date: October 6, 2010

Sold by:Â Digital Services LLC

Language: English

ASIN: B004W2MZIM

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #563,825 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #65

inÂ Kindle Store > Kindle eBooks > Humor & Entertainment > Movies & Video > Video > Technical

#65 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering >

Telecommunications > Television & Video #73 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Electrical & Electronics > Digital Design

Customer Reviews

First off, this book is in its fifth edition, and has lumped together reviews of all editions of this book. So the oldest review shown, written in 1998, is speaking of the 3rd edition, and reviews written prior to 2005 are talking about the 4th edition. This book is more about the principles of digital audio hardware design than anything. The author, also a college professor, starts with the absolute beginning and the binary number system, sampling, quantization, aliasing, and dither and then moves into all of the topics that you need to design and analyze modern digital audio systems. However, if the information in the first two chapters is news to you, chances are the rest of the book will be over your head. The book is full of flow charts, frequency response diagrams, and detailed block diagrams of actual systems. What it is lacking in is any kind of signal processing mathematics to explain the detailed theory behind what is being covered. There is a chapter entitled "Digital Signal Processing", but it barely introduces and defines the terms. It does show some assembly code for performing some simple filtering tasks, though, but that's the extent of the coverage. If you didn't know DSP before you read this chapter, you certainly won't know it after you read this chapter. The book does a pretty good job of discussing some of the more popular audio standards including MP3. I think this book is best suited for someone with an electronics/electrical engineering background that already knows the theory of digital signal processing and wants to apply that knowledge to the actual design and analysis of digital audio processing systems.

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

Principles of Digital Audio, Sixth Edition (Digital Video/Audio) What Your Sixth Grader Needs to Know: Fundamentals of a Good Sixth-Grade Education, Revised Edition (Core Knowledge Series) Designing Audio Effect Plug-Ins in C++: With Digital Audio Signal Processing Theory Physical Audio Signal Processing: for Virtual Musical Instruments and Digital Audio Effects CompTIA Network+ Certification All-in-One Exam Guide (Exam N10-006), Premium Sixth Edition with Online Performance-Based Simulations and Video Training ATI TEAS Secrets Study Guide: TEAS 6 Complete Study Manual, Full-Length Practice Tests, Review Video Tutorials for the Test of Essential Academic Skills, Sixth Edition The Complete Digital Video Guide: A Step-by-Step Handbook for Making Great Home Movies Using Your Digital Camcorder Go Pro Camera: Video editing for Beginners: How to Edit Video in Final Cut Pro and Adobe Premiere Pro Step by Step

How To Stream Video Live 2016: Expand Your Reach In Minutes With Live Video Through Facebook, YouTube, Periscope, Livestream, Meerkat And More - Even If You Hate Being On Camera PowerPoint Video Magic: A Skill Booster Guide on Using Microsoft PowerPoint for Professional Video Production VIDEO INCOME ACADEMY: How to Make a Living Selling Products & Services via Video... Youtube E-Commerce & Webinar Service Selling Illuminating Video: An Essential Guide To Video Art Video Games Memes: Funny Video Games Memes, Jokes and Funny Pictures! (Lol Memes for Gamers) Nintendo, COD, Clash of Clans, Super Mario Memes plus more! Video Poker Secrets: Strategies to Give You the Unfair Advantage in Video Poker Developing Your Video Poker Money Management System: How To Manage Your Video Poker Play To Enhance Your Income (or to cover your a**!) Surgical Management of Pelvic Organ Prolapse: Female Pelvic Surgery Video Atlas Series: Expert Consult: Online and Print, 1e (Female Pelvic Video Surgery Atlas Series) Basic, Advanced, and Robotic Laparoscopic Surgery: Female Pelvic Surgery Video Atlas Series, 1e (Female Pelvic Video Surgery Atlas Series) The Complete Works of Herbert Spencer: The Principles of Psychology, The Principles of Philosophy, First Principles and More (6 Books With Active Table of Contents) Mixing, Recording, and Producing Techniques of the Pros: Insights on Recording Audio for Music, Video, Film, and Games Podcast Solutions: The Complete Guide to Audio and Video Podcasting

[Dmca](#)