Principles Of Digital Audio Ken C Pohlmann 9780071441568

Principles of Digital Audio, Sixth EditionPrinciples of Digital AudioNational Association of Broadcasters Engineering HandbookMajor Label MasteringAnatomy of a Home StudioHandbook for Sound EngineersSound & CommunicationsElectronic MusicianPersonal RecordingPrinciples of Digital AudioVideo User's HandbookConsumers Index to Product Evaluations and Information Sources1999 Directory of Corporate AffiliationsElectronics NowHi Fi/stereo ReviewSubject Guide to Books in PrintEncyclopedia of Business Information SourcesStereo Review's Sound & VisionThe British National BibliographySound & Vision Ken C. Pohlmann Ken C. Pohlmann Graham A. Jones Evren Göknar Scott R. Wilkinson Glen Ballou Ken Pohlmann Peter Utz Gale Group Arthur James Wells

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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

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ken pohlmann s classic completely updated from the basics to the cutting edge ken pohlmann s principles of digital audio is packed with vital information through three editions this popular text has illuminated the frontiers of digital audio science now this completely updated and substantially revised fourth edition brings you the tools you need to capitalize on the explosive expansion of digital audio technologies widely used as a college text and as a professional reference by computer and audio designers and enthusiasts this comprehensive and highly readable sourcebook helps you stay up to speed in a fast moving field enter or advance a career in digital audio design new media development music recording sound engineering broadcasting and related areas master the newest options in dvd internet and pc audio compact disc workstations perceptual coding digital radio digital television and more get insider information on new developments available nowhere else apply creative new insights on theory and applications understand complex material through crystal clear presentations from an award winning professor and leading digital audio engineer the premier information source in the field principles of digital audio is the 1 choice of digital audio professionals new in this edition dvd internet and pc audio technologies downloadable and streaming music data compression standards multichannel audio coding digital broadcasting interconnection and networking dsp updates additional chapters and illustrations

the nab engineering handbook provides detailed information on virtually every aspect of the broadcast chain from news gathering program production and postproduction through master control and distribution links to transmission antennas rf propagation cable and satellite hot topics covered include hd radio hdtv 2 ghz broadcast auxiliary services eas workflow metadata digital asset management advanced video and audio compression audio and video over ip and internet broadcasting a wide range of related topics that engineers and managers need to understand are also covered including broadcast administration fcc practices technical standards security safety disaster planning facility planning project management and engineering management basic principles and the latest technologies and issues are all addressed by respected professionals with first hand experience in the broadcast industry and manufacturing this edition has been fully revised and updated with 104 chapters and over 2000 pages the engineering handbook provides the single most comprehensive and accessible resource available for engineers and others working in production postproduction networks local stations equipment manufacturing or any of the associated areas of radio and television

major label mastering professional mastering process distills 25 years of mastering experience at capitol records into practical understandings and reliable systems containing unparalleled insights this book reveals the mastering tricks and techniques used by evren göknar at one of the world s most notable record labels beginning with the requisite competencies every mastering engineer must develop major label mastering delves into the particulars of the mastering studio as well as fundamental mastering tools included among these tools is the five step mastering process a rigorously tested system that equips the practitioner to successfully and confidently master a project to exacting standards of audio fidelity covering all bases the book discusses both macro and micro considerations from mindset approach and connecting with clients down to detailed guidelines for processing audio advanced methods and audio restoration each chapter ends with exercises intended to deepen understanding and skill or to supplement course study suitable for all levels this is a unique resource for students artists and recording and mastering engineers alike major label mastering is supplemented by digital resources including audio examples and video tutorials

from the pages of electronic musician magazine come these words of wisdom from scott wilkinson he bridges the information gap between beginner and high end user as he demystifies the decibel explains scsi secrets and makes sense of midi other topics include the principles of digital audio effects processors microphones and more you ll also get two glossaries one general and the other packed with internet terms

handbook for sound engineers is the most comprehensive reference available for audio engineers and is a must read for all who work in audio with contributions from many of the top professionals in the field including glen ballou on interpretation systems intercoms assistive listening and fundamentals and units of measurement david miles huber on midi bill whitlock on audio transformers and preamplifiers steve dove on consoles daws and computers pat brown on fundamentals gain structures and test and measurement ray rayburn on virtual systems digital interfacing and preamplifiers ken pohlmann on compact discs and dr wolfgang ahnert on computer aided sound system design and room acoustical fundamentals for auditoriums and concert halls the handbook for sound engineers is a must for serious audio and acoustic engineers the fifth edition has been updated to reflect changes in the industry including added emphasis on increasingly prevalent technologies such as software based recording systems digital recording using mp3 wav files and mobile devices new chapters such as ken pohlmann s subjective methods for evaluating sound quality s benjamin kanters s hearing physiology disorders conservation steve barbar s surround sound for cinema doug jones s worship styles in the christian church sit aside completely revamped staples like ron baker and jack wrightson s stadiums and outdoor venues pat brown s sound system design bob cordell s amplifier design hardy martin s voice evacuation mass notification systems and tom danley and doug jones s loudspeakers

this edition has been honed to bring you the most up to date information in the many aspects of audio engineering

cash in on the hottest digital audio technologies through three bestselling editions ken c pohlmannÆs principles of digital audio has illuminated the frontiers of digital audio science taking readers from fundamental principles to the state of the art since the last edition digital audio technology and applications have expanded explosively a situation well reflected in the new fourth edition of this user friendly guide by a leading digital audio engineer you ll find fresh tell all treatments both theoretical and practical of pc audio including ieee 1394 usb ac æ97 and directx internet audio ù especially mp3 sdmi and realnetworks g2 streaming audio low bit rate topics ù including mpeg 2 aac mpeg 4 dolby digital and pac dvd ù dvd video dvd audio recordable dvd udf and mlp television and radio broadcasting topics ù atsc dtv am iobc and fm iboc including usa digital radio and ldr prototypes new compact disc topics such as cd r cd rw and super audio cd you ll also get valuable insights into new aes standards jitter sound cards data compression digital audio extraction watermarking and much more

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