

The Audiophiles Project Sourcebook 120 Highperformance Audio Electronics Projects Tab Electronics

Building Valve Amplifiers is a unique hands-on guide for anyone working with tube audio equipment--as an electronics hobbyist, audiophile or audio engineer. This 2nd Edition builds on the success of the first with technology and technique revisions throughout and, significantly, a major new self-build project, worked through step-by-step, which puts into practice the principles and techniques introduced throughout the book. Particular attention has been paid to answering questions commonly asked by newcomers to the world of the valve, whether audio enthusiasts tackling their first build or more experienced amplifier designers seeking to learn about the design principles and trade-offs of "glass audio." Safety considerations are always to the fore, and the practical side of this book is reinforced by numerous clear illustrations throughout. The only hands-on approach to building valve and tube amps--classic and modern--with a minimum of theory Design, construction, fault-finding, and testing are all illustrated by step-by-step examples, enabling readers to clearly understand the content and succeed in their own projects Includes a complete self-build amplifier project, putting into practice the key techniques introduced throughout the book

This book, the first full-length text on the subject, explores the everyday use of music listening while driving a car. It presents the relationship between cars and music in an effort to understand how music behaviour in the car can either enhance driver safety or place the driver at increased risk of accidents. A great deal of work has been done to investigate and reduce driver distraction and inattention, but this book is the first to focus on in-cabin aural backgrounds of music as a contributing factor to human error and traffic violations. Driving With Music begins by outlining the automobile, its relationship to society, and the juxtaposition of music with the automobile as a component of a car package. It then highlights concepts from the fields of music perception and cognition, and, within this framework, looks at the functional use of background music in our everyday lives. Driver music behaviours - both adaptive and maladaptive - are explored, with the focus on contradictions and ill-effects of in-car music listening. To conclude, implications, applications and countermeasures are suggested.

SCIENCE/MATHEMATICS

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The practical, hands-on guidance needed to troubleshoot efficiently with today's electronic test equipment Staying away from hard-to-understand theory and mathematics, this practical handbook show you how common devices such as multimeters, frequency and logic probes, signal traces, and oscilloscopes are used. You'll pinpoint problems in everything from TV sets and computers to automotive electrical systems. A practical, hands-on guide to troubleshooting with electronic test equipment revised to include current testing techniques and new chapters on mechanical repairs and flowcharting.

Forthcoming Books

MEMS Linear and Nonlinear Statics and Dynamics

The Case of Wikipedia

Nuts & Volts

Learning Through Discovery

Glass Audio Project Book

MEMS Linear and Nonlinear Statics and Dynamics presents the necessary analytical and computational tools for MEMS designers to model and simulate most known MEMS devices, structures, and phenomena. This book also provides an in-depth analysis and treatment of the most common static and dynamic phenomena in MEMS that are encountered by engineers. Coverage also includes nonlinear modeling approaches to modeling various MEMS phenomena of a nonlinear nature, such as those due to electrostatic forces, squeeze-film damping, and large deflection of structures. The book also: Includes examples of numerous MEMS devices and structures that require static or dynamic modeling Provides code for programs in Matlab, Mathematica, and ANSYS for simulating the behavior of MEMS structures Provides real world problems related to the dynamics of MEMS such as dynamics of electrostatically actuated devices, stiction and adhesion of microbeams due to electrostatic and capillary forces MEMS Linear and Nonlinear Statics and Dynamics is an ideal volume for researchers and engineers working in MEMS design and fabrication.

THE AUDIOPHILE'S PROJECT SOURCEBOOK Build audio projects that produce great sound for far less than they cost in the store, with audio hobbyists' favorite writer Randy Slone. In The Audiophile's Project Sourcebook, Slone gives you— • Clear, illustrated schematics and instructions for high-quality, high-power electronic audio components that you can build at home • Carefully constructed designs for virtually all standard high-end audio projects, backed by an author who answers his email • 8 power-amp designs that suit virtually any need • Instructions for making your own inexpensive testing equipment • Comprehensible explanations of the electronics at work in the projects you want to construct, spiced with humor and insight into the electronics hobbyist's process • Complete parts lists "The Audiophile's Project Sourcebook" is devoid of the hype, superstition, myths, and expensive fanaticism often associated with 'high-end' audio systems. It provides straightforward help in building and understanding top quality audio electronic projects that are based on solid science and produce fantastic sound! THE PROJECTS YOU WANT, FOR LESS Balanced input driver/receiver circuits Signal conditioning techniques Voltage amplifiers Preamps for home and stage Tone controls Passive and active filters Parametric filters Graphic equalizers Bi-amping and tri-amping filters Headphone amplifiers Power amplifiers Speaker protection systems Clip detection circuits Power supplies Delay circuits Level indicators Homemade test equipment

This reference book details the top 100 groundbreaking events in the history of American business, featuring case studies of successful companies who challenged traditional operating paradigms, historical perspectives on labor laws, management practices, and economic climates, and an examination of the impact of these influences on today's business practices. • Chronology of key events in the history of American business from 1630 to the present • Helpful sidebars of the evolution of key terms used today • Comprehensive index includes category, company names, personal names, and cross references to other events • Suggestions for further reading for each article • 10 relevant charts and tables • Appendix of relevant sources • 80 key primary documents supporting major events in American business

"This is teaching at its best!" --Hans Camenzind, inventor of the 555 timer (the world's most successful integrated circuit), and author of Much Ado About Almost Nothing: Man's Encounter with the Electron (Booklocker.com) "A fabulous book: well written, well paced, fun, and informative. I also love the sense of humor. It's very good at disarming the fear. And it's gorgeous. I'll be recommending this book highly." --Tom Igoe, author of Physical Computing and Making Things Talk Want to learn the fundamentals of electronics in a fun, hands-on way? With Make: Electronics, you'll start working on real projects as soon as you crack open the book. Explore all of the key components and essential principles through a series of fascinating experiments. You'll build the circuits first, then learn the theory behind them! Build working devices, from simple to complex You'll start with the basics and then move on to more complicated projects. Go from switching circuits to integrated circuits, and from simple alarms to programmable microcontrollers. Step-by-step instructions and more than 500 full-color photographs and illustrations will help you use -- and understand -- electronics concepts and techniques. Discover by breaking things: experiment with components and learn from failure Set up a tricked-out project space: make a work area at home, equipped with the tools and parts you'll need Learn about key electronic components and their functions within a circuit Create an intrusion alarm, holiday lights, wearable electronic jewelry, audio processors, a reflex tester, and a combination lock Build an autonomous robot cart that can sense its environment and avoid obstacles Get clear, easy-to-understand explanations of what you're doing and why

Four Decades of Queer Comics

Designing, Building, and Testing Your Own Speaker System-- with Projects

The Audiophile's Project Sourcebook: 120 High-Performance Audio Electronics Projects

High-Power Audio Amplifier Construction Manual

Introduction to Loudspeaker Design

The Radio Station

This text presents a full account of RF amplifiers and provides a thorough understanding of power amplifier principles and their applications. This comprehensive book covers all important design techniques for power amplifiers and includes mathematical derivations and the assumptions used to develop design rules.

An illustrated A-to-Z guide to amps from the award-winning author of Guitar Encyclopedia! This book is for fans of guitar amplifiers and the history that lies behind them. Starting with early amp models like the Gibson EH-150 that was first used with Gibson's EH-150 lap-steel guitar and later the Charlie Christian ES-150 guitar, it then delves into the development of Fender, Vox, and Orange amps, and goes right up to the modern boutique designers like Industrial, Dr. Z, Fargen, and Fuchs. Also featured are such tube amp classics as the Seymour Duncan Convertible head, ahead of its time in offering tube-switching before THD Amps existed. Other amp designers profiled include: Carvin • Danelectro/Silvertone • Engel • Epiphone • Line 6 • MESA/Boogie• Pignose • Paul Reed Smith • Premier • Roland • Seymour Duncan • and many, many more! Emmy Award-winning guitarist, composer, and producer Brian Tarquin takes on the unique subject matter of the electric guitar's sidekick and partner-in-crime to create this informative and enthralling reference guide. Interviews with various amp makers as well as players, and a foreword by Michael Molenda of Guitar Player magazine, all bring you together to those glowing tubes and tones. Guitar Amplifier Encyclopedia provides an extensive education on all the best amps' every nuance, and how they each changed the history of sound.

Small Signal Audio Design is a highly practical handbook providing an expansive repertoire of circuits that can be assembled to make almost any type of audio system. The publication of Electronics for Vinyl has freed up space for new material, (though this book still contains a lot on moving-magnet and moving-coil electronics) and this fully revised third edition offers wholly new chapters on tape machines, guitar electronics, and variable-gain amplifiers, plus much more. A major theme is the use of inexpensive and readily available parts to obtain state-of-the-art performance for noise, distortion, crosstalk, frequency response accuracy and other parameters. Virtually every page reveals nuggets of specialized knowledge not found anywhere else. For example, you can improve the offness of a fader simply by adding a resistor in the right place; if you know the right place. Essential points of theory that bear on practical audio performance are lucidly and thoroughly explained, with the mathematics kept to an absolute minimum. Self's background in design for manufacture ensures he keeps a wary eye on the cost of things. This book features the engaging prose style familiar to readers of his other books. You will learn why mercury-filled cables are not a good idea, the pitfalls of plating gold on copper, and what quotes from Star Trek have to do with PCB design. Learn how to: make amplifiers with apparently impossibly low noise design discrete circuitry that can handle enormous signals with vanishingly low distortion use humble low-gain transistors to make an amplifier with an input impedance of more than 50 megohms transfer the performance of low-cost-opamps build active filters with very low noise and distortion make incredibly accurate volume controls make a huge variety of audio equalisers make magnetic cartridge preamplifiers that have noise so low it is limited by basic physics, by using load synthesis sum, switch, clip, compress, and route audio signals be confident that phase perception is not an issue This expanded and updated third edition contains extensive new material on optimising RIAA equalisation, electronics for ribbon microphones, summation of noise sources, defining system frequency response, loudness controls, and much more. Including all the crucial theory, but with minimal mathematics, Small Signal Audio Design is the must-have companion for anyone studying, researching, or working in audio engineering and audio electronics.

A guide to finding, selecting, restoring and using vintage tube audio equipment (Acrosound to Scott) from the perspective of the audiophile/music lover as opposed to the collector. Anecdotes, descriptions and caveats for everyday use of this gear. Description of circuit topologies and classes of operation.

Valve Amplifiers

Genre Analysis of Online Encyclopedias

Broadcast, Satellite and Internet

Audio IC Circuits Manual

No Straight Lines

Building Valve Amplifiers

Learn the secrets to achieving your ultimate sound Whether amateur or pro, guitarists live for the ultimate sound. Guitar Amps & Effects For Dummies provides the information and instruction you need to discover that sound and make it your own! Written in the characteristically easy-to-read Dummies style, this book is ideal for beginners and experienced musicians alike, and can help all players expand their skill set with effects. Guitarists tend to be gearheads when it comes to sound, and this book provides guidance on topics ranging from the guitar itself to amps, pedals, and other sound technology. Amps and effects are the unsung heroes of guitar music. While most people recognize the more psychedelic effects, many don't realize that effects are often responsible for the unique quality of tone that can become a musician's trademark. Certain effects work on the volume or signal level, other work on the environment, and still others work on the bass and treble content. Guitar Amps & Effects For Dummies covers them all, and shows how effects can not only add something extra, but also "fix" problematic areas. Topics include: Gain-based effects, like distortion, compression, volume pedals, and gates Tone-based effects, including graphic and parametric EQ, and the wah-wah pedal Modulation effects, like the flanger, phase shifter, and tremolo Ambience effects, including reverb and delay The journey to incredible guitar music never ends. No matter how experienced you are with a guitar, there is always room for improvement to your tone and sound. Whether you're looking for the sound of angels or thunder, Guitar Amps & Effects For Dummies will help you achieve the music you hear in your dreams.

An all-in-one resource on everything electronics-related! For almost 30 years, this book has been a classic text forelectronics enthusiasts. Now completely updated for today's technology, this latest version combines concepts, self-tests, andhands-on projects to offer you a completely repackaged and revisedresource. This unique self-teaching guide featureseasy-to-understand explanations that are presented in user-friendly format to help you learn the essentials you need to work with electronic circuits. All you need is a general understanding of electronics conceptssuch as Ohm's law and current flow, and an acquaintance withfirst-year algebra. The question-and-answer format, illustrativeexperiments, and self-tests at the end of each chapter make it easyfor you to learn at your own speed. Boasts a companion website that includes more than twentyfull-color, step-by-step projects Shares hands-on practice opportunities and conceptualbackground information to enhance your learning process Targets electronics enthusiasts who already have a basicknowledge of electronics but are interested in learning more aboutthis fascinating topic on their own Features projects that work with the multimeter, breadboard,function generator, oscilloscope, bandpass filter, transistoramplifier, oscillator, rectifier, and more You're sure to get a charge out of the vast coverage included inComplete Electronics Self-Teaching Guide with Projects!

This book is bible for beginning radio professionals: the complete, definitive guide to the internal workings of radio stations and the radio industry. Not only will you begin understand how each job at a radio station is best performed, you will learn how it meshes with those of the rest of the radio station staff. If you are uncertain of your career goals, this book provides a solid foundation in who does what, when, and why. The Radio Station details all departments within a radio station. Topics explained include satellite radio, Web radio, AM stereo, cable and podcasting. Also, mergers and consolidation, future prospects, new digital technologies. This edition is loaded with new illustrations, feature boxes and quotes from industry pros, bringing it all together for the reader. Going strong after 20 years The Radio Station is now in its eighth edition and long considered the standard work on this audio medium. It remains a concise and candid guide to the internal workings of radio stations and the radio industry, explaining the functions performed successfully within every well-run station.

How does coding change the way we think about architecture? This question opens up an important research perspective. In this book, Miro Roman and his AI Alice_ch3n8l develop a playful scenario in which they propose coding as the new literacy of information. They convey knowledge in the form of a project model that links the fields of architecture and information through two interwoven narrative strands in an "infinite flow" of real books. Focusing on the intersection of information technology and architectural formulation, the authors create an evolving intellectual reflection on digital architecture and computer science.

A Symposium on Architecture and Information Spelt in Atom-Letters

Theory and Applications, Second Edition

An Encyclopedia

Materials Chemistry

Guitar Amps & Effects For Dummies

How to Test Almost Anything Electronic

Have you ever dreamed of mastering the energy and technology that's transforming life on Earth? Imagine yourself in control of electronics at your own hobby bench? Wanted the knowledge and skills to make your electronic equipment work better, to create new applications (even new inventions), and to be able to explain what's going on inside the high-tech devices you use every day? With This book you do it all.

A completely revised and updated edition of a bestseller, Maintenance, Replacement, and Reliability: Theory and Applications, Second Edition supplies the tools needed for making data-driven physical asset management decisions. The well-received first edition quickly became a mainstay for professors, students, and professionals, with its clear prese

Expanded and revised to cover recent developments, this text should tell you what you need to know to become a better listener and buyer of quality high-fidelity components. New sections include: super audio CD; high-resolution audio on DVD; and single-ended amplifiers.

Thoroughly updated for newnbsp;breakthroughs in multimedia nbsp: The internationally bestselling Multimedia: Making It Work has been fully revised and expanded to cover the latest technological advances in multimedia. You will learn to plan and manage multimedia projects, from dynamic CD-ROMs and DVDs to professional websites. Each chapter includes step-by-step instructions, full-color illustrations, and more.

Everything You Need to Know About Audio

Second Edition

Valve and Transistor Audio Amplifiers

Small Signal Audio Design

Maintenance, Replacement, and Reliability

Play Among Books

The Audio Expert is a comprehensive reference that covers all aspects of audio, with many practical, as well as theoretical, explanations. Providing in-depth descriptions of how audio really works, using common sense plain-English explanations and mechanical analogies with minimal math, the book is written for people who want to understand audio at the deepest, most technical level, without needing an engineering degree. It's presented in an easy-to-read, conversational tone, and includes more than 400 figures and photos augmenting the text. The Audio Expert takes the intermediate to advanced recording engineer or audiophile and makes you an expert. The book goes far beyond merely explaining how audio "works." It brings together the concepts of audio, aural perception, musical instrument physics, acoustics, and basic electronics, showing how they're intimately related. Describing in great detail many of the practices and techniques used by recording and mixing engineers, the topics include video production and computers. Rather than merely showing how to use audio devices such as equalizers and compressors, Ethan Winer explains how they work internally, and how they are spec'd and tested. Most explanations are platform-agnostic, applying equally to Windows and Mac operating systems, and to most software and hardware. TheAudioExpertbook.com, the companion website, has audio and video examples to better present complex topics such as vibration and resonance. There are also videos demonstrating editing techniques and audio processing, as well as interviews with skilled musicians demonstrating their instruments and playing techniques.

No Straight Lines showcases major names such as Alison Bechdel, Howard Cruse, and Ralf Koenig (one of Europe's most popular cartoonists), as well as high-profile, crossover creators who have dabbled in LGBT cartooning, like legendary NYC artist David Wojnarowicz and media darling and advice columnist Dan Savage. No Straight Lines also spotlights many talented creators who never made it out of the queer comics ghetto, but produced amazing work that deserves wider attention. Queer cartooning encompasses some of the best and most interesting comics of the last four decades, with creators tackling complex issues of identity and a changing society with intelligence, humor, and imagination. This book celebrates this vibrant artistic underground by gathering together a collection of excellent stories that can be enjoyed by all. Until recently, queer cartooning existed in a parallel universe to the rest of comics, appearing only in gay newspapers and gay bookstores and not in comic book stores, mainstream bookstores or newspapers. The insular nature of the world of queer cartooning, however, created a fascinating artistic scene.

LGBT comics have been an uncensored, internal conversation within the queer community, and thus provide a unique window into the hopes, fears, and fantasies of queer people for the last four decades. These comics have forged their aesthetics from the influences of underground comic, gay erotic art, punk zines, and the biting commentaries of drag queens, bull dykes, and other marginalized queers. They have analyzed their own communities, and their relationship with the broader society. They are smart, funny, and profound. No Straight Lines has been heralded by people interested in comics history, and people invested in LGBT culture will embrace it as a unique and invaluable collection.

The audio amplifier is at the heart of audio design. Its performance determines largely the performance of any audio system. John Linsley Hood is widely regarded as the finest audio designer around, and pioneered design in the post-war era. His mastery of audio technology extends from valves to the latest techniques. This is John Linsley Hood's greatest work yet, describing the milestones that marked the development of audio amplifiers since the earliest days to the latest systems. Including classic amps with valves at their heart and exciting new designs using the latest components, this book is the complete world guide to audio amp design. John Linsley Hood is responsible for numerous amplifier designs that have led the way to better sound, and has also kept up a commentary on developments in audio in magazines such as The Gramophone, Electronics in Action and Electronics and Wireless World. He is also the author of The Art of Linear Electronics and Audio Electronics published by Newnes. Complete world guide to audio amp design written by world famous author Covers classic amps to new designs using latest components Includes the best of valves as well as best of transistors

"A hands-on primer for the new electronics enthusiast!"--Cover.

Make: Electronics

Designing Audio Power Amplifiers

The Art of Recording

Complete Electronics Self-Teaching Guide with Projects

A Complete Guide to Pivot Tables

Heart in Hand

This comprehensive book on audio power amplifier design will appeal to members of the professional audio engineering community as well as the student and enthusiast. Designing Audio Power Amplifiersbegins with power amplifier design basics that a novice can understand and moves all the way through to in-depth design techniques for very sophisticated audiophiles and professional audio power amplifiers. This book is the single best source of knowledge for anyone who wishes to design audio power amplifiers. It also provides a detailed introduction to nearly all aspects of analog circuit design, making it an effective educational text. Develop and hone your audio amplifier design skills with in-depth coverage of these and other topics: Basic and advanced audio power amplifier design Low-noise amplifier design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTSpice transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS), the use of ThermalTraK(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power supplies (SMPS), design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio ampl