Whats That Sound An Introduction To Rock And Its History

An Introduction to Information TheoryHearing LossThe Signal and the NoisePerrine's Sound and SenseThe Norton Introduction to LiteratureThe Sound Pattern of EnglishWhite NoiseData Science for BusinessIntroduction to Speech Sound DisordersThe WaveNorton Anthology of Western MusicIntroducing PhonologyWhat's That Sound?The Audible PastLanguageIntroduction to Digital AudioHow Languages WorkWhat's That Sound?The Threads of ReadingThe Sound of the MountainThe SuperCollider BookThe Daily 5Teach Your Child to Read in 100 Easy LessonsGame SoundWhat's That Sound?Sound ReproductionThe House on Mango StreetSulaWhat's that Sound?Sound-Power FlowIntroduction to English Phonetics and PhonologyProgramming Voice InterfacesI Hear a SymphonyTeaching Pronunciation Hardback with Audio CDs (2)Preventing Reading Difficulties in Young ChildrenSpeakAn Introduction to Critical Thinking and CreativityIntroduction to Digital FiltersWonderstruckAn Introduction to Music Technology

An Introduction to Information Theory

Since this classic work in phonology was published in 1968, there has been no other book that gives as broad a view of the subject, combining generally applicable theoretical contributions with analysis of the details of a single language. The theoretical issues raised in The Sound Pattern of English continue to be critical to current phonology, and in many instances the solutions proposed by Chomsky and Halle have yet to be improved upon.Noam Chomsky and Morris Halle are Institute Professors of Linguistics and Philosophy at MIT.

Hearing Loss

The bestselling coming-of-age classic, acclaimed by critics, beloved by readers of all ages, taught in schools and universities alike, and translated around the world from the winner of the 2018 PEN/Nabokov Award for Achievement in International Literature. The House on Mango Street is the remarkable story of Esperanza Cordero, a young Latina girl growing up in Chicago, inventing for herself who and what she will become. Told in a series of vignettes-sometimes heartbreaking, sometimes deeply joyous-Sandra Cisneros' masterpiece is a classic story of childhood and self-discovery. Few other books in our time have touched so many readers.

The Signal and the Noise

The music—front and center.

Perrine's Sound and Sense

The first ten lies they tell you in high school. "Speak up for yourself--we want to know what you have to say." From the first moment of her freshman year at Merryweather High, Melinda knows this is a big fat lie, part of the nonsense of high school. She is friendless, outcast, because she busted an end-of-summer party by calling the cops, so now nobody will talk to her, let alone listen to her. As time passes, she becomes increasingly isolated and practically stops talking altogether. Only her art class offers any solace, and it is through her work on an art project that she is finally able to face what really happened at that terrible party: she was raped by an upperclassman, a guy who still attends Merryweather and is still a threat to her. Her healing process has just begun when she has another violent encounter with him. But this time Melinda fights back, refuses to be silent, and thereby achieves a measure of vindication. In Laurie Halse Anderson's powerful novel, an utterly believable heroine with a

bitterly ironic voice delivers a blow to the hypocritical world of high school. She speaks for many a disenfranchised teenager while demonstrating the importance of speaking up for oneself. Speak was a 1999 National Book Award Finalist for Young People's Literature.

The Norton Introduction to Literature

DIVCultural study of the development of sound technology in the nineteenth and early twentieth centuries from telephones and stethoscopes to record players./div

The Sound Pattern of English

Get a step-by-step guide for developing voice interfaces for applications and devices connected to the Internet of Things. By allowing consumers to use natural human interactions, you can avoid awkward methods of input and interactivity to provide them with elevated user experiences. This practical book is ideal for software engineers who build applications for the Web, smartphones, as well as embedded systems that dominate the IoT space. Integrate voice interfaces with internet connected devices and sensors Learn how to

integrate with existing voice interfaces Understand when to use a voice over other Natural User Interface technologies Build a prototype with tools such as Raspberry Pi, solderless breadboards, jumper cables, sensors, Arduino, Visual Studio, and other tools Use cloud services such as Azure and AWS to integrate voice with your existing or new web service end-points

White Noise

"The apparently fixed constellations of family relationships, the recurrent beauties of nature, the flaming or flickering patterns of love and lust—all the elements of Kawabata's fictional world are combined in an engrossing novel that rises to the incantatory fascination of a N? drama." —Saturday Review Few novels have rendered the predicament of old age more beautifully than The Sound of the Mountain. For in his portrait of an elderly Tokyo businessman, Yasunari Kawabata charts the gradual, reluctant narrowing of a human life, along with the sudden upsurges of passion that illuminate its closing. By day Ogata Shingo is troubled by small failures of memory. At night he hears a distant rumble from the nearby mountain, a sound he associates with death. In between are the relationships that were once the foundation of Shingo's life: with his disappointing wife, his

philandering son, and his daughter-in-law Kikuko, who instills in him both pity and uneasy stirrings of sexual desire. Out of this translucent web of attachments—and the tiny shifts of loyalty and affection that threaten to sever it irreparably—Kawabata creates a novel that is at once serenely observed and enormously affecting. Translated from the Japanese by Edward G. Seidensticker

Data Science for Business

A valuable guide on creativity and critical thinking to improve reasoning and decision-making skills Critical thinking skills are essential in virtually any field of study or practice where individuals need to communicate ideas, make decisions, and analyze and solve problems. An Introduction to Critical Thinking and Creativity: Think More, Think Better outlines the necessary tools for readers to become critical as well as creative thinkers. By gaining a practical and solid foundation in the basic principles that underlie critical thinking and creativity, readers will become equipped to think in a more systematic, logical, and imaginative manner. Creativity is needed to generate new ideas to solve problems, and critical thinking evaluates and improves an idea. These concepts are uniquely introduced as a unified whole due to their dependence on each other. Each chapter

introduces relevant theories in conjunction with real-life examples and findings from cognitive science and psychology to illustrate how the theories can be applied in numerous fields and careers. An emphasis on how theoretical principles of reasoning can be practical and useful in everyday life is featured, and special sections on presentation techniques, the analysis of meaning, decision-making, and reasoning about personal and moral values are also highlighted. All chapters conclude with a set of exercises, and detailed solutions are provided at the end of the book. A companion website features online tutorials that further explore topics including meaning analysis, argument analysis, logic, statistics, and strategic thinking, along with additional exercises and multimedia resources for continued study. An Introduction to Critical Thinking and Creativity is an excellent book for courses on critical thinking and logic at the undergraduate and graduate levels. The book also serves as a self-contained study guide for readers interested in the topics of critical thinking and creativity as a unified whole.

Introduction to Speech Sound Disorders

The second edition includes updates and insights on current research and pedagogical practice that have developed over the last decade.

This new edition of Teaching Pronunciation - undoubtedly the gold standard for pronunciation methodology texts - has been revised to reflect recent research into the sound system of North American English, as well as new practices in pronunciation pedagogy. Audio CDs with additional examples are now packaged with the book.

The Wave

This accessible textbook provides a clear and practical introduction to phonology, the study of sound patterns in language. Designed for undergraduates with only a basic knowledge of linguistics, it teaches in a step-by-step fashion the logical techniques of phonological analysis and the fundamental theories that underpin it. Providing a solid foundation in both the theory and practice of phonology, it is set to become the leading text for any introductory course, and will be invaluable to all students beginning to study the discipline.

Norton Anthology of Western Music

Introducing Phonology

A brilliant satire of mass culture and the numbing effects of technology, White Noise tells the story of Jack Gladney, a teacher of Hitler studies at a liberal arts college in Middle America. Jack and his fourth wife, Babette, bound by their love, fear of death, and four ultramodern offspring, navigate the rocky passages of family life to the background babble of brand-name consumerism. Then a lethal black chemical cloud, unleashed by an industrial accident, floats over there lives, an "airborne toxic event" that is a more urgent and visible version of the white noise engulfing the Gladneys—the radio transmissions, sirens, microwaves, and TV murmurings that constitute the music of American magic and dread.

What's That Sound?

There is no better way for you to learn about poetry and to understand its elements than with PERRINE'S SOUND AND SENSE: AN INTRODUCTION TO POETRY. As both an introduction to poetry and an anthology, this classic best-seller succinctly covers the basics of poetry with detailed chapters on the elements of poetry (denotation and connotation, imagery, figurative language, allusion, tone, rhythm and meter, pattern, etc.), unique materials on evaluating poetry, exemplary selections, and exercises and study questions that help

readers understand each selection. Thomas R. Arp and Greg Johnson have assiduously continued the Perrine tradition over several recent editions. Every chapter introduction in this compact and concise anthology bears the mark of Laurence Perrine's crisp, clean, and descriptive prose, and every poem selected as an example is a perfect illustration of the concept at hand. Whether you are a beginner or a more experienced reader of poems, you can profit from this book's step-by-step method for understanding how a poem does what it does. Suggestions for writing help students to sort out their feelings and ideas, enabling them to assist others in sharing their experience.

The Audible Past

This second edition of the text offers a look at the evolution of rock music from its roots to the present. With innovative listening guides, (both print and electronic), a rich visual program, and electronic learning tools, it is a comprehensive introduction to rock history. The new edition includes new "backstage pass" boxes written by rock journalists and scholars such as Graeme Boone on Woodstock, Susan Fast on Led Zeppelin, Jeff Chang on DJ Kool Herc. A new full-color photo essay examines the "look" of rock music through album covers, concert staging, and poster art. Examples are a comparison of The Beatles

"look" to that of the Rollnig Stones, Fillmore West concert posters, hip-hop graffiti, and pictures of rave culture.

Language

While most children learn to read fairly well, there remain many young Americans whose futures are imperiled because they do not read well enough to meet the demands of our competitive, technology-driven society. This book explores the problem within the context of social, historical, cultural, and biological factors. Recommendations address the identification of groups of children at risk, effective instruction for the preschool and early grades, effective approaches to dialects and bilingualism, the importance of these findings for the professional development of teachers, and gaps that remain in our understanding of how children learn to read. Implications for parents, teachers, schools, communities, the media, and government at all levels are discussed. The book examines the epidemiology of reading problems and introduces the concepts used by experts in the field. In a clear and readable narrative, word identification, comprehension, and other processes in normal reading development are discussed. Against the background of normal progress, Preventing Reading Difficulties in Young Children examines factors that put children at

risk of poor reading. It explores in detail how literacy can be fostered from birth through kindergarten and the primary grades, including evaluation of philosophies, systems, and materials commonly used to teach reading.

Introduction to Digital Audio

Tells the story of a high school history class experiment that frighteningly demonstrated the power of fascism.

How Languages Work

The Norton Introduction to Literature presents an engaging, balanced selection of literature to suit any course. Offering a thorough treatment of historical and critical context, the most comprehensive media package available, and a rich suite of tools to encourage close reading and thoughtful writing, the Shorter Twelfth Edition is unparalleled in its guidance of understanding, analyzing, and writing about literature.

What's That Sound?

The #1 text and digital media package, What's That Sound? helps students understand rock first and foremost as music, emphasizing concepts and listening skills. In addition, rich analysis of the forces that shaped this vibrant style help readers connect the music with its cultural and historical context. With the fifth edition, the media package for the most authoritative, comprehensive survey of rock is augmented by a NEW Spotify-integrated ebook.

The Threads of Reading

Two girls who grow up to become women. Two friends who become something worse than enemies. In this brilliantly imagined novel, Toni Morrison tells the story of Nel Wright and Sula Peace, who meet as children in the small town of Medallion, Ohio. Their devotion is fierce enough to withstand bullies and the burden of a dreadful secret. It endures even after Nel has grown up to be a pillar of the black community and Sula has become a pariah. But their friendship ends in an unforgivable betrayal—or does it end? Terrifying, comic, ribald and tragic, Sula is a work that overflows with life. "You can't go wrong by reading or re-reading the collected works of Toni Morrison. Beloved, Song of Solomon, The Bluest Eye, Sula, everything else — they're transcendent, all of them. You'll be glad you read

them."--Barack Obama

The Sound of the Mountain

Millions of Americans experience some degree of hearing loss. The
Social Security Administration (SSA) operates programs that provide
cash disability benefits to people with permanent impairments like
hearing loss, if they can show that their impairments meet stringent
SSA criteria and their earnings are below an SSA threshold. The
National Research Council convened an expert committee at the request
of the SSA to study the issues related to disability determination for
people with hearing loss. This volume is the product of that study.
Hearing Loss: Determining Eligibility for Social Security Benefits
reviews current knowledge about hearing loss and its measurement and
treatment, and provides an evaluation of the strengths and weaknesses
of the current processes and criteria. It recommends changes to
strengthen the disability determination process and ensure its
reliability and fairness. The book addresses criteria for selection of
pure tone and speech tests, guidelines for test administration,
testing of hearing in noise, special issues related to testing
children, and the difficulty of predicting work capacity from clinical
hearing test results. It should be useful to audiologists,

otolaryngologists, disability advocates, and others who are concerned with people who have hearing loss.

The SuperCollider Book

How can teachers make sure that all students gain the reading skills they need to be successful in school and in life? In this book, Karen Tankersley describes the six foundational "threads" that students need to study in order to become effective readers: phonemic awareness, phonics and decoding, vocabulary, fluency, comprehension, and higher-order processing. For each area, the author explains how students acquire the reading skills they need and offers a series of skill-building strategies and activities that teachers can use in the classroom. Although reading is perhaps most intensely taught in the kindergarten and 1st-grade classrooms, Tankersley emphasizes that helping students become lifelong readers is a task for all teachers, including content-area teachers in middle and high schools. The Threads of Reading addresses key questions about literacy, such as * What makes a difference in reading achievement? * How much reading time is enough? * How can teachers use writing to build reading skills? * How can teachers help students make meaning from their reading? The strategies in this book address many situations, from

individual instruction to small- or large-group instruction, from kindergarten to high school. Teachers will appreciate the multitude of activities provided, and administrators will learn to better evaluate the reading programs in place in their districts and schools. Grounded in both research and "teacher lore" from actual classrooms, this book is a solid guide to helping students become lifelong readers. Note: This product listing is for the Adobe Acrobat (PDF) version of the book.

The Daily 5

Teach Your Child to Read in 100 Easy Lessons

1 copy

Game Sound

Sound-Power Flow: A practitioner's handbook for sound intensity is a guide for practitioners and research scientists in different areas of acoustical science. There are three fundamental quantities in

acoustics: sound pressure, sound particle velocity, and sound intensity. This book is about sound intensity and demonstrates the advantages and uses of acoustical sensing compared with other forms of sensing. It describes applications such as: measuring total sound power; directional hearing of humans and mammals; echolocation; measuring sound-power flow in ducts; and uses of non-contact, focused, high-frequency, pulse-echo ultrasonic probes. This book presents computational approaches using standard mathematics, and relates these to the measurement of sound-power flow in air and water. It also uses linear units rather than logarithmic units – this making computation in acoustics simpler and more accessible to advanced mathematics and computing. The book is based on work by the author and his associates at General Motors, the University of Mississippi, and Sonometrics.

What's That Sound?

A distinguishing feature of video games is their interactivity, and sound plays an important role in this: a player's actions can trigger dialogue, sound effects, ambient sound, and music. This book introduces readers to the various aspects of game audio, from its development in early games to theoretical discussions of immersion and realism.

Sound Reproduction

Describes the philosophy of the Daily 5 teaching structure and includes a collection of literacy tasks for students to complete daily.

The House on Mango Street

An Introduction to Music Technology, Second Edition provides a clear overview of the essential elements of music technology for today's musician. This book focuses on the topics that underlie the hardware and software in use today: Sound, Audio, MIDI, Computer Notation, and Computer- Assisted Instruction. Appendices cover necessary computer hardware and software concepts. Written for both music technology majors and non-majors, this textbook introduces fundamental principles and practices so students can learn to work with a wide range of software programs, adapt to new music technologies, and apply music technology in their performance, composition, teaching, and analysis. Features: Thorough explanations of key topics in music technology Content applicable to all software and hardware, not linked to just one piece of software or gear In-depth discussion of digital audio

topics, such as sampling rates, resolutions, and file formats Explanations of standard audio plug-ins including dynamics processors, EQs, and delay based effects Coverage of synthesis and sampling in software instruments Pedagogical features, including: Further Reading sections that allow the student to delve deeper into topics of interest Suggested Activities that can be carried out with a variety of different programs Key Terms at the end of each chapter What Do I Need? Chapters covering the types of hardware and software needed in order to put together Audio and MIDI systems A companion website with links to audio examples that demonstrate various concepts, step-by-step tutorials, relevant hardware, software, and additional audio and video resources. The new edition has been fully updated to cover new technologies that have emerged since the first edition, including iOS and mobile platforms, online notation software, alternate controllers, and Open Sound Control (OSC).

Sula

Behind the familiar surfaces of the telephone, radio, and television lies a sophisticated and intriguing body of knowledge known as information theory. This is the theory that has permeated the rapid development of all sorts of communication, from color television to

the clear transmission of photographs from the vicinity of Jupiter. Even more revolutionary progress is expected in the future. To give a solid introduction to this burgeoning field, J. R. Pierce has revised his well-received 1961 study of information theory for an up-to-date second edition. Beginning with the origins of the field, Dr. Pierce follows the brilliant formulations of Claude Shannon and describes such aspects of the subject as encoding and binary digits, entropy. language and meaning, efficient encoding , and the noisy channel. He then goes beyond the strict confines of the topic to explore the ways in which information theory relates to physics, cybernetics, psychology, and art. Mathematical formulas are introduced at the appropriate points for the benefit of serious students. A glossary of terms and an appendix on mathematical notation are provided to help the less mathematically sophisticated. J. R. Pierce worked for many years at the Bell Telephone Laboratories, where he became Director of Research in Communications Principles. He is currently affiliated with the engineering department of the California Institute of Technology. While his background is impeccable, Dr. Pierce also possesses an engaging writing style that makes his book all the more welcome. An Introduction to Information Theory continues to be the most impressive non-technical account available and a fascinating introduction to the subject for laymen. "An uncommonly good study. . . . Pierce's volume

presents the most satisfying discussion to be found."? Scientific American.

What's that Sound?

A digital filter can be pictured as a "black box" that accepts a sequence of numbers and emits a new sequence of numbers. In digital audio signal processing applications, such number sequences usually represent sounds. For example, digital filters are used to implement graphic equalizers and other digital audio effects. This book is a gentle introduction to digital filters, including mathematical theory, illustrative examples, some audio applications, and useful software starting points. The theory treatment begins at the high-school level, and covers fundamental concepts in linear systems theory and digital filter analysis. Various "small" digital filters are analyzed as examples, particularly those commonly used in audio applications. Matlab programming examples are emphasized for illustrating the use and development of digital filters in practice.

Sound-Power Flow

The founder of FiveThirtyEight.com challenges myths about predictions in subjects ranging from the financial market and weather to sports and politics, profiling the world of prediction to explain how readers can distinguish true signals from hype, in a report that also reveals the sources and societal costs of wrongful predictions.

Introduction to English Phonetics and Phonology

Written by renowned data science experts Foster Provost and Tom Fawcett, Data Science for Business introduces the fundamental principles of data science, and walks you through the "data-analytic thinking" necessary for extracting useful knowledge and business value from the data you collect. This guide also helps you understand the many data-mining techniques in use today. Based on an MBA course Provost has taught at New York University over the past ten years, Data Science for Business provides examples of real-world business problems to illustrate these principles. You'll not only learn how to improve communication between business stakeholders and data scientists, but also how participate intelligently in your company's data science projects. You'll also discover how to think data-analytically, and fully appreciate how data science methods can support business decision-making. Understand how data science fits in

your organization—and how you can use it for competitive advantage Treat data as a business asset that requires careful investment if you're to gain real value Approach business problems data-analytically, using the data-mining process to gather good data in the most appropriate way Learn general concepts for actually extracting knowledge from data Apply data science principles when interviewing data science job candidates

Programming Voice Interfaces

Introduction to Speech Sound Disorders is a comprehensive textbook for undergraduate speech sound disorders courses in communication sciences and disorders programs. The text covers the major concepts and constructs currently framing the study of speech sound disorders in children, including typical and atypical phonological acquisition and clinical skills regarding assessment and intervention. The text is designed to prepare students for graduate level study of speech sound disorders and early supervised clinical practice with children. The text and associated website are intended to support new and experienced instructors as they strive to facilitate novice-level clinical competencies in their speech-language pathology students. Key Features: Detailed organization that provides foundational knowledge

and then leads the student through the logical sequence of clinical activities.Coherent organization that ensures that all new terms are defined and the student's understanding is enriched by repeated application in new contexts throughout.Clear terms and explanations that reflect current research evidence in speech sound disorders.Detailed examples, illustrations, tables and figures throughout to increase comprehension for undergraduate students.Each chapter begins with learning objectives and ends with study questions.Practice activities are included throughout to encourage interactive learning.Key Point boxes encourage review of important content at the end of each section. Introduction to Speech Sound Disorders begins with basic concepts in phonetics and phonology, covers normal phonological development, and then details assessment, interpretation and diagnosis, treatment planning, and finally the selection and implementation of an appropriate intervention. It ends with a description of input, output, and phonological treatment procedures. The text is evidence-based, and includes the most current research on speech sound disorders. Disclaimer: Please note that ancillary content (such as documents, audio, and video, etc.) may not be included as published in the original print version of this book.

I Hear a Symphony

Ben's story takes place in 1977 and is told in words. Rose's story in 1927 is told entirely in pictures. Ever since his mother died, Ben feels lost. At home with her father, Rose feels alone. When Ben finds a mysterious clue hidden in his mother's room, and when a tempting opportunity presents itself to Rose, both children risk everything to find what's missing. Rich, complex, affecting and beautiful, WONDERSTRUCK is a staggering achievement from a uniquely gifted artist.

Teaching Pronunciation Hardback with Audio CDs (2)

The definitive survey, combining current scholarship with a vibrant narrative. Carefully informed by feedback from dozens of scholars, it remainÕs the book that students and teachers trust to explain whatÕs important, where it fits, and why it matters. Peter Burkholder weaves a compelling story of people, their choices, and the western musical tradition that emerged. From chant to hip-hop, he connects past to present to create a context for tomorrowÕs musicians.

Preventing Reading Difficulties in Young Children

Investigates how the music of Motown Records functioned as the center of the company's creative and economic impact worldwide

Speak

A step-by-step program that shows parents, simply and clearly, how to teach their child to read in just 20 minutes a day.

An Introduction to Critical Thinking and Creativity

Language is a sophisticated tool which we use to communicate in a multitude of ways. Updated and expanded in its second edition, this book introduces language and linguistics - presenting language in all its amazing complexity while systematically guiding you through the basics. The reader will emerge with an appreciation of the diversity of the world's languages, as well as a deeper understanding of the structure of human language, the ways it is used, and its broader social and cultural context. Part I is devoted to the nuts and bolts of language study - speech sounds, sound patterns, sentence structure, and meaning - and includes chapters dedicated to the functional aspects of language: discourse, prosody, pragmatics, and language

contact. The fourteen language profiles included in Part II reveal the world's linguistic variety while expanding on the similarities and differences between languages. Using knowledge gained from Part I, the reader can explore how language functions when speakers use it in daily interaction. With a step-by-step approach that is reinforced with well-chosen illustrations, case studies, and study questions, readers will gain understanding and analytical skills that will only enrich their ongoing study of language and linguistics.

Introduction to Digital Filters

Sound Reproduction: The Acoustics and Psychoacoustics of Loudspeakers and Rooms, Third Edition explains the physical and perceptual processes that are involved in sound reproduction and demonstrates how to use the processes to create high-quality listening experiences in stereo and multichannel formats. Understanding the principles of sound production is necessary to achieve the goals of sound reproduction in spaces ranging from recording control rooms and home listening rooms to large cinemas. This revision brings new science-based perspectives on the performance of loudspeakers, room acoustics, measurements and equalization, all of which need to be appropriately used to ensure the accurate delivery of music and movie sound tracks from creators to

listeners. The robust website (www.routledge.com/cw/toole) is the perfect companion to this necessary resource.

Wonderstruck

The essential reference to SuperCollider, a powerful, flexible, open-source, cross-platform audio programming language. SuperCollider is one of the most important domain-specific audio programming languages, with potential applications that include real-time interaction, installations, electroacoustic pieces, generative music, and audiovisuals. The SuperCollider Book is the essential reference to this powerful and flexible language, offering students and professionals a collection of tutorials, essays, and projects. With contributions from top academics, artists, and technologists that cover topics at levels from the introductory to the specialized, it will be a valuable sourcebook both for beginners and for advanced users. SuperCollider, first developed by James McCartney, is an accessible blend of Smalltalk, C, and further ideas from a number of programming languages. Free, open-source, cross-platform, and with a diverse and supportive developer community, it is often the first programming language sound artists and computer musicians learn. The SuperCollider Book is the long-awaited guide to the design, syntax,

and use of the SuperCollider language. The first chapters offer an introduction to the basics, including a friendly tutorial for absolute beginners, providing the reader with skills that can serve as a foundation for further learning. Later chapters cover more advanced topics and particular topics in computer music, including programming, sonification, spatialization, microsound, GUIs, machine listening, alternative tunings, and non-real-time synthesis; practical applications and philosophical insights from the composer's and artist's perspectives; and "under the hood," developer's-eye views of SuperCollider's inner workings. A Web site accompanying the book offers code, links to the application itself and its source code, and a variety of third-party extras, extensions, libraries, and examples.

An Introduction to Music Technology

Master the basics from first principles: the physics of sound, principles of hearing etc, then progress onward to fundamental digital principles, conversion, compression and coding and then onto transmission, digital audio workstations, DAT and optical disks. Get up to speed with how digital audio is used within DVD, Digital Audio Broadcasting, networked audio and MPEG transport streams. All of the key technologies are here: compression, DAT, DAB, DVD, SACD,

oversampling, noise shaping and error correction theories are treated in a simple yet accurate form. Thoroughly researched, totally up-to-date and technically accurate this is the only book you need on the subject.

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