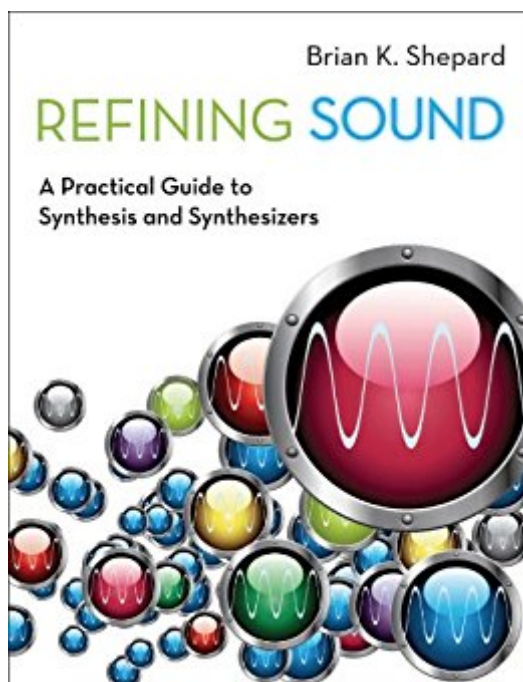The book was found

Refining Sound: A Practical Guide To Synthesis And Synthesizers

Synopsis

Refining Sound is a practical roadmap to the complexities of creating sounds on modern synthesizers. Perhaps the most difficult aspect of learning to create sounds on a synthesizer is understanding what all the individual synthesizer components contribute to the complex finished sound. Author and veteran synthesizer instructor Brian K. Shepard draws on his years of experience in synthesizer pedagogy in order to peel back the often-mysterious layers of sound synthesis one-by-one. The result is a book that allows readers to familiarize themselves with each individual step in the synthesis process, in turn empowering them in their own creative or experimental work.Refining Sound follows the stages of synthesis in chronological progression from the "raw materials" of sound waves through the various stages of the refinement process, ultimately bringing readers to the final "polishing" of their sounds with audio effects. Each chapter focuses on a particular aspect of the synthesis process, and contains easily digestible guided projects (entitled "Your Turn" sections) that focus on the topics of the chapter. Throughout the text, the material is supported by copious examples and illustrations and more than forty interactive synthesis demonstrations on the related companion website that allow the reader to experiment with and understand these concepts without the distraction of other synthesizer controls and modifiers. The final chapter brings everything together as the reader creates several common types of synthesizer sounds with detailed step-by-step instructions and explanations of the concepts behind those steps. With all of the sounds in the final chapter, readers are given suggestions and tips on ways to modify the sounds, with final outcomes left to the readers' own creativity. Refining Sound is essential for all electronic musicians from amateur to professional levels of accomplishment, students, teachers, libraries, and anyone interested in creating sounds on a synthesizer.

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Customer Reviews

There are way too many books on the market purporting to teach sound design/synth programming. This book is useful only after you've learned to program sounds by ear, at which point it is informative and well organized. However, it will not teach you make sounds deliberately, with purpose. For that I recommend the software tutorial unfortunately titled Syntorial. If that's not an option a distant second place is Welsh's Synthesizer Cookbook.

I'm educated in traditional western classical music theory, but completely ignorant in the synthesized world. This book opened up the synthesized world which I always wanted to explore.The book has a clear structure that helped me understand synthesized sound (well, actually all kinds of sound). It also has tools that can be used to do experiments with synthesizers. The included Crystal software and the interactive examples are tremendously helpful!For beginners like me, reading this book gives a much better foundation than watching hundreds of disconnected YouTube videos!

This is a great book if you want to know the science behind synthesis. The author knows his stuff and presents it well.I enjoy this book very much and I've learned a lot from it. I especially like the hands-on sections where you get to hear what you're learning.But... minus a star for the free software download (from a third party).Still, this book is a great investment for a techie, with tons of great info.

Great book so far (I haven't finished it as yet). Covers a lot of useful territory for those who work with and program softsynths, and has some good info on things like aliasing and the Nyquist theorem.

Highly recommended book if you, like me, want to move from a synth preset user to someone who can make their own sounds and patches with a softsynth.

THIS IS A FANTASTIC BOOK!! The information is incredibly well presented & the web page resources are formidable... I cannot speak good enough of this book... FIFTEEN STARS!!

You have to download a bunch of stuff before you even get going but it's a great resource and makes sense why you would need to reference the same synth

Refining SoundNow retired I've just taken up an interest in synthesizer music and needed a book to help with the basic concepts of sound creation and use. I hit the nail on the head with this one! Brian takes you through the very basics of natural sound and electrically generated sound explaining how different sounds can interact in various ways or just plain cancel each other out. There are also explanations of the various pieces of hardware in analogue and software synthesizers. In fact I didn't know it but there are whole families of different types of synthesizer technologies. There are a couple of down-loads associated with this book so be careful to follow instructions closely. There is Maxitime 6.1, Crystal Soft Synth, and some chapter files relating to the book from University of Oxford site (passwords are in the book) to download. One thing that I missed was to download a "host" otherwise things won't work (so I downloaded Savihost suggested on the Camel Audio site, who by the way, have a very good freebie synth called Alchemy). There is a sound generating programme called Maxitime 6.1 that relates to the subject matter of the chapters in, "Refining Sound". It is a must have to get this working because there is like audio laboratory examples from University of Oxford that you will need to hear and play with in Maxitime 6.1. You are also lead to a fantastic software synth called, "Crystal Soft Synth" at a site called Greenoak.com. Once again make sure that you get all the bits and pieces. The manual (PDF)on the Greenoak site is also very useful for understanding the Crystal Synth and also gives definition to some of the acronyms used in synthesizer music and technology. There is also a book called simply,
"Synthesizer" by one Mark Vaill and I hope to get this at when it is released. Also a handy thing to have is a midi keyboard so as to be able to properly use the software synths but make sure that you have the right "driver" for your operating system. I bought a Roland midi keyboard for windows 8. My machine has Windows 8.1 and guess what, the enclosed software didn't work and I had to go to the Roland site for a

Win8.1 Driver. I've bought a Casio XW-P1 synthesizer and am having a great time with it and thanks to Brian Shepard understanding the noises that I'm making.If you are new to synthesizer music or sound creation I'd recommend this book to you.

Awesome book on sound synthesis! Friendly explained, this book will help you understand the theory.

Refining Sound: A Practical Guide to Synthesis and Synthesizers Refining Composition Skills: Academic Writing and Grammar (Developing / Refining Composition Skills Series) Handbook of Reagents for Organic Synthesis: Reagents for Heteroarene Synthesis (Hdbk of Reagents for Organic Synthesis) Make: Analog Synthesizers: Make Electronic Sounds the Synth-DIY Way Vintage Synthesizers: Pioneering Designers, Groundbreaking Instruments, Collecting Tips, Mutants of Technology Make: Analog Synthesizers The SOS Guide to Live Sound: Optimising Your Band's Live-Performance Audio (Sound On Sound Presents...) Sound Innovations for String Orchestra: Sound Development (Intermediate) for Violin: Warm up Exercises for Tone and Technique for Intermediate String Orchestra (Sound Innovations Series for Strings) ABC & 123 Learning Songs: Interactive Children's Sound Book (11 Button Sound) (11 Button Sound Book) Making Waves: Sound : Sound (Everyday Science): Sound (Everyday Science) Palpation and Assessment in Manual Therapy: Learning the Art and Refining Your Skills Petroleum Refining: Technology and Economics, Fifth Edition Recovery and Refining of Precious Metals Petroleum Refining in Nontechnical Language Petroleum Refining Processes (Chemical Industries) Advanced Organic Chemistry: Part B: Reaction and Synthesis: Reaction and Synthesis Pt. B Landmarking and Segmentation of 3D CT Images (Synthesis Lectures on Biomedical Engineering Synthesis Lectu) The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry Series of Drug Synthesis) Transition Metals in Organic Synthesis: A Practical Approach (The Practical Approach in Chemistry Series) Oligonucleotide Synthesis: A Practical Approach (The Practical Approach Series)