



Interactive Music Systems: Machine Listening and Composing

By Robert Rowe



Download



Read Online



Get Print Book

Interactive Music Systems: Machine Listening and Composing By Robert Rowe

For the growing number of professionals in computer music, composers, performers, and teachers who are looking for more from the computer music systems that are now available, *Interactive Music Systems* provides the first comprehensive survey and evaluation of new computer programs that can analyze and compose music in live performance.

Although Rowe focuses primarily on musical motivations and possibilities of interactive systems, he also takes up such practical considerations as how to build, analyze, and extend these systems and looks at the impact of music theory, music cognition, and artificial intelligence on the design of interactive systems and on ensemble performance. He describes in detail both the theory and practice of his own real-time interactive music program, Cypher, and further illustrates basic concepts and characteristic issues using the graphic MIDI programming environment Max.

In a concluding chapter, Rowe assesses developments in hardware and software with implications for the evolution of interactive systems, including their implementation in multiprocessor environments, the impact of real-time digital signal processing, and extended prospects for sensing performance gesture.

Robert Rowe is Associate Director of the Music Technology Program at New York University.



[Download Interactive Music Systems: Machine Listening and C ...pdf](#)



[Read Online Interactive Music Systems: Machine Listening and ...pdf](#)

Interactive Music Systems: Machine Listening and Composing

By Robert Rowe

Interactive Music Systems: Machine Listening and Composing By Robert Rowe

For the growing number of professionals in computer music, composers, performers, and teachers who are looking for more from the computer music systems that are now available, *Interactive Music Systems* provides the first comprehensive survey and evaluation of new computer programs that can analyze and compose music in live performance.

Although Rowe focuses primarily on musical motivations and possibilities of interactive systems, he also takes up such practical considerations as how to build, analyze, and extend these systems and looks at the impact of music theory, music cognition, and artificial intelligence on the design of interactive systems and on ensemble performance. He describes in detail both the theory and practice of his own real-time interactive music program, Cypher, and further illustrates basic concepts and characteristic issues using the graphic MIDI programming environment Max.

In a concluding chapter, Rowe assesses developments in hardware and software with implications for the evolution of interactive systems, including their implementation in multiprocessor environments, the impact of real-time digital signal processing, and extended prospects for sensing performance gesture.

Robert Rowe is Associate Director of the Music Technology Program at New York University.

Interactive Music Systems: Machine Listening and Composing By Robert Rowe Bibliography

- Sales Rank: #2831110 in Books
- Brand: Brand: MIT Press
- Published on: 1992-10-16
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: .95" h x 6.31" w x 9.32" l,
- Binding: Hardcover
- 278 pages

 [Download Interactive Music Systems: Machine Listening and C ...pdf](#)

 [Read Online Interactive Music Systems: Machine Listening and ...pdf](#)

Download and Read Free Online Interactive Music Systems: Machine Listening and Composing By Robert Rowe

Editorial Review

About the Author

Robert Rowe is Associate Professor of Music at New York University.

Users Review

From reader reviews:

George Nygaard:

Book is to be different for each and every grade. Book for children until adult are different content. We all know that that book is very important for all of us. The book Interactive Music Systems: Machine Listening and Composing ended up being making you to know about other know-how and of course you can take more information. It is very advantages for you. The e-book Interactive Music Systems: Machine Listening and Composing is not only giving you far more new information but also for being your friend when you truly feel bored. You can spend your current spend time to read your reserve. Try to make relationship with all the book Interactive Music Systems: Machine Listening and Composing. You never truly feel lose out for everything in the event you read some books.

Michael Farrell:

Do you one of people who can't read pleasurable if the sentence chained inside the straightway, hold on guys this kind of aren't like that. This Interactive Music Systems: Machine Listening and Composing book is readable through you who hate the perfect word style. You will find the info here are arrange for enjoyable studying experience without leaving also decrease the knowledge that want to give to you. The writer regarding Interactive Music Systems: Machine Listening and Composing content conveys the idea easily to understand by a lot of people. The printed and e-book are not different in the content but it just different in the form of it. So , do you nevertheless thinking Interactive Music Systems: Machine Listening and Composing is not loveable to be your top collection reading book?

Clarence Lowery:

Don't be worry if you are afraid that this book can filled the space in your house, you will get it in e-book technique, more simple and reachable. This Interactive Music Systems: Machine Listening and Composing can give you a lot of close friends because by you investigating this one book you have matter that they don't and make you actually more like an interesting person. This kind of book can be one of one step for you to get success. This guide offer you information that perhaps your friend doesn't realize, by knowing more than additional make you to be great people. So , why hesitate? Let's have Interactive Music Systems: Machine Listening and Composing.

Juanita Bey:

As a university student exactly feel bored to be able to reading. If their teacher asked them to go to the library in order to make summary for some e-book, they are complained. Just little students that has reading's internal or real their leisure activity. They just do what the trainer want, like asked to go to the library. They go to at this time there but nothing reading really. Any students feel that studying is not important, boring and also can't see colorful photographs on there. Yeah, it is for being complicated. Book is very important for you personally. As we know that on this age, many ways to get whatever we want. Likewise word says, many ways to reach Chinese's country. So , this Interactive Music Systems: Machine Listening and Composing can make you feel more interested to read.

Download and Read Online Interactive Music Systems: Machine Listening and Composing By Robert Rowe #I52X17WQRJN

Read Interactive Music Systems: Machine Listening and Composing By Robert Rowe for online ebook

Interactive Music Systems: Machine Listening and Composing By Robert Rowe Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Interactive Music Systems: Machine Listening and Composing By Robert Rowe books to read online.

Online Interactive Music Systems: Machine Listening and Composing By Robert Rowe ebook PDF download

Interactive Music Systems: Machine Listening and Composing By Robert Rowe Doc

Interactive Music Systems: Machine Listening and Composing By Robert Rowe Mobipocket

Interactive Music Systems: Machine Listening and Composing By Robert Rowe EPub