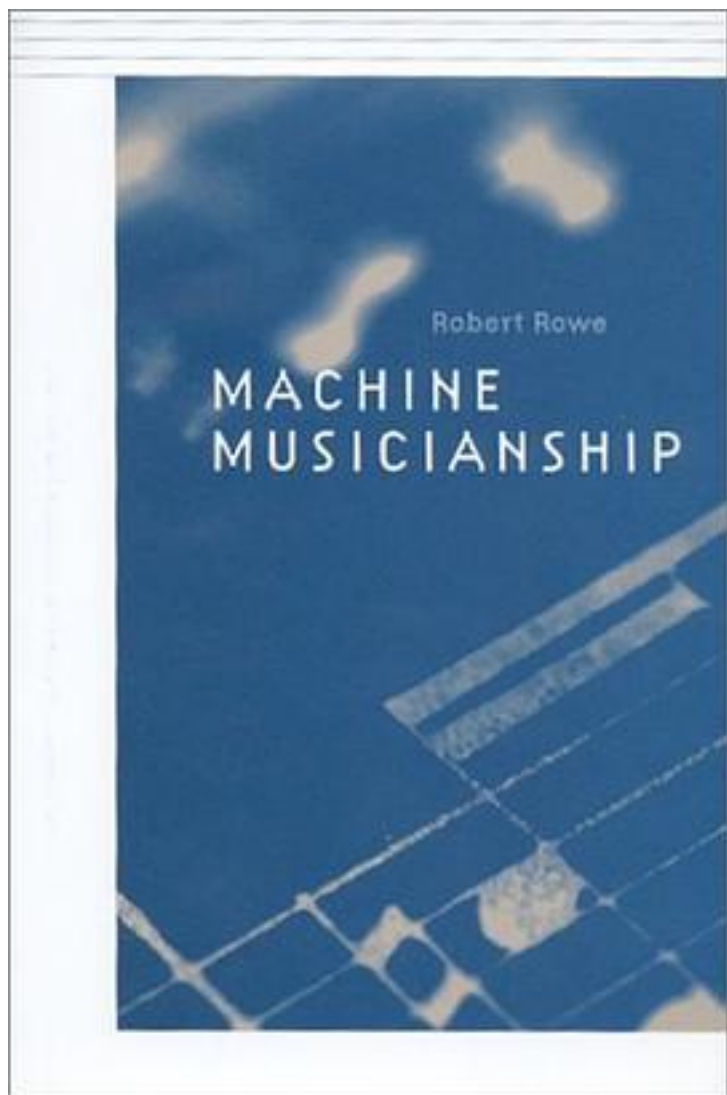


Machine Musicianship



[Machine Musicianship_ 下载链接1](#)

著者:Robert Rowe

出版者:The MIT Press

出版时间:2001-03-05

装帧:Hardcover

isbn:9780262182065

Musicians begin formal training by acquiring a body of musical concepts commonly known as musicianship. These concepts underlie the musical skills of listening, performance, and composition. Like humans, computer music programs can benefit from a systematic foundation of musical knowledge. This book explores the technology of implementing musical processes such as segmentation, pattern processing, and interactive improvisation in computer programs. It shows how the resulting applications can be used to accomplish tasks ranging from the solution of simple musical problems to the live performance of interactive compositions and the design of musically responsive installations and Web sites. Machine Musicianship is both a programming tutorial and an exploration of the foundational concepts of musical analysis, performance, and composition. The theoretical foundations are derived from the fields of music theory, computer music, music cognition, and artificial intelligence. The book will be of interest to practitioners of those fields, as well as to performers and composers. The concepts are programmed using C++ and Max. The accompanying CD-ROM includes working versions of the examples, as well as source code and a hypertext document showing how the code leads to the program's musical functionality.

作者介绍:

目录:

[Machine Musicianship_下载链接1](#)

标签

Music

MIT.Press

评论

[Machine Musicianship_下载链接1](#)

书评

[Machine Musicianship_下载链接1](#)