



Introduction to Audio Analysis: A MATLAB (R) Approach (Hardback)

By Theodoros Giannakopoulos, Aggelos Pikrakis

ELSEVIER SCIENCE & TECHNOLOGY, United Kingdom, 2014. Hardback. Condition: New. Language: English. Brand new Book. Introduction to Audio Analysis serves as a standalone introduction to audio analysis, providing theoretical background to many state-of-the-art techniques. It covers the essential theory necessary to develop audio engineering applications, but also uses programming techniques, notably MATLAB (R), to take a more applied approach to the topic. Basic theory and reproducible experiments are combined to demonstrate theoretical concepts from a practical point of view and provide a solid foundation in the field of audio analysis. Audio feature extraction, audio classification, audio segmentation, and music information retrieval are all addressed in detail, along with material on basic audio processing and frequency domain representations and filtering. Throughout the text, reproducible MATLAB (R) examples are accompanied by theoretical descriptions, illustrating how concepts and equations can be applied to the development of audio analysis systems and components. A blend of reproducible MATLAB (R) code and essential theory provides enable the reader to delve into the world of audio signals and develop real-world audio applications in various domains.



Reviews

Extremely helpful to any or all category of individuals. It really is rally fascinating through studying time period. I am just quickly could possibly get a pleasure of reading a composed ebook.

-- Lawrence Keeling

This publication may be worthy of a read through, and a lot better than other. It is among the most incredible book we have read through. Your daily life period will be change when you total reading this article publication.

-- Garett Baumbach

Related eBooks



Supply Chain Engineering: Models and Applications (Paperback)

Taylor & Francis Ltd, United Kingdom, 2017. Paperback. Condition: New. Reprint. Language: English. Brand new Book. Winner of 2013 IIE/Joint Publishers Book-of-the-Year AwardEmphasizing a quantitative approach, Supply Chain Engineering: Models and Applications provides state-of-the-art mathematical models, concepts, and solution methods important in...



Elements in Flexible and Large-Area Electronics: Integration Techniques for Micro/Nanostructure-Based Large-Area Electronics (Paperback)

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2018. Paperback. Condition: New. Language: English. Brand new Book. Advanced nanostructured materials such as organic and inorganic micro/nanostructures are excellent building blocks for electronics, optoelectronics, sensing, and photovoltaics because of their high-crystallinity, long aspect-ratio, high surface-to-volume ratio,...



T'Bugs (Paperback)

Createspace Independent Publishing Platform, United States, 2017. Paperback. Condition: New. Language: English. Brand new Book. The Lab wasn't always a hulking ruin. It was state-of-the-art when Techno-Gadgets Inc. built it for a top-secret project. Someone in the head office had this brilliant...



Meditation: For Beginners Anytime, Anywhere. How to Relieve Stress, Anxiety and Depression. A Quick Guide and Techniques to Return to a State of Inner Peace, Mindfulness and Happiness (Paperback)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Condition: New. Large Print. Language: English. Brand new Book. 'Meditation for Beginners'. Anytime and Anywhere. A pocket size guide that will give you Inner Peace, Mindfulness and Happiness. Simple Techniques to Relieve Stress, Anxiety...



Modern Portfolio Theory: Foundations, Analysis, and New Developments + Website (Hardback)

John Wiley & Sons Inc, United States, 2013. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. A through guide covering Modern Portfolio Theory as well as the recent developments surrounding it Modern portfolio theory (MPT), which originated with Harry Markowitz's...



Instrumentation and Sensors for Engineering Applications (Paperback)

College House Enterprises, LLC, United States, 2016. Paperback. Condition: New. Language: English. Brand new Book. The first four chapters provide the foundation for understanding circuits, analog and digital signals, measurement systems and instruments for measuring voltage. Chapter 1 is an introduction to...