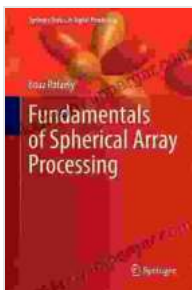


Fundamentals Of Spherical Array Processing: The Essential Guide for Practitioners

Spherical microphone arrays have emerged as a promising technology for a wide range of applications in sound field reconstruction, acoustic imaging, beamforming, localization, and tracking. Fundamentals of Spherical Array Processing provides a comprehensive overview of the theory, algorithms, and applications of spherical microphone arrays.



Fundamentals of Spherical Array Processing (Springer Topics in Signal Processing Book 8)

★★★★★ 5 out of 5

Language : English
File size : 11494 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 335 pages
Screen Reader : Supported



This book is written by a team of leading experts in the field and provides a comprehensive treatment of the subject. The book begins with an introduction to spherical microphone arrays, followed by chapters on:

- The theory of spherical microphone arrays
- Algorithms for sound field reconstruction
- Algorithms for acoustic imaging

- Algorithms for beamforming
- Algorithms for localization
- Algorithms for tracking

Fundamentals of Spherical Array Processing is an essential resource for researchers, engineers, and students in the field of signal processing, acoustics, and audio engineering. The book is also a valuable reference for practitioners who use spherical microphone arrays in their work.

Key Features

- Comprehensive coverage of the theory, algorithms, and applications of spherical microphone arrays
- Written by a team of leading experts in the field
- Provides a solid foundation for researchers and engineers working with spherical microphone arrays
- Essential reading for students in the field of signal processing, acoustics, and audio engineering

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Praise for Fundamentals of Spherical Array Processing

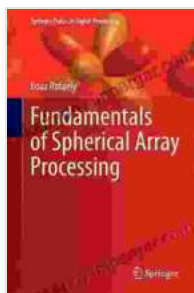
"This book provides a comprehensive overview of the theory, algorithms, and applications of spherical microphone arrays. It is an essential resource for researchers, engineers, and students in the field of signal processing, acoustics, and audio engineering." - **Professor Steven L. Rickard**, University of California, Berkeley

"This book is a valuable reference for practitioners who use spherical microphone arrays in their work. It provides a solid foundation for understanding the theory and algorithms behind these arrays." - **Dr. Mark F. Bocko**, Dolby Laboratories

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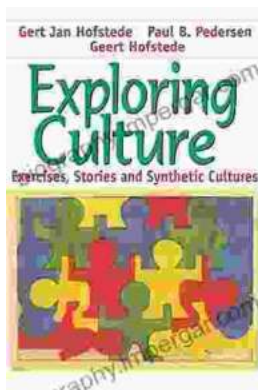
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