

Speech and Audio Processing for Coding Enhancement and Recognition: An In-Depth Exploration

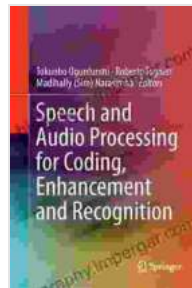
Speech and audio processing are essential components of modern communication systems. With the rapid growth of multimedia applications, there is a need for efficient and reliable techniques to process and recognize speech and audio signals. This book presents a comprehensive overview of the field, covering the fundamental principles and algorithms used for speech and audio processing. The book also explores the latest advances in the area, including deep learning and machine learning techniques, and their applications to speech and audio coding enhancement and recognition.

Table of Contents

- Introduction to Speech and Audio Processing
- Signal Processing Techniques for Speech and Audio
- Speech Coding Fundamentals
- Audio Coding Fundamentals
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- Audio Recognition Techniques
- Applications of Speech and Audio Processing
- Future Directions in Speech and Audio Processing

Audience

This book is intended for a wide audience, including students, researchers, and practitioners in the field of speech and audio processing. It is also suitable for anyone who is interested in learning about the latest advances in this rapidly growing field.



Speech and Audio Processing for Coding, Enhancement and Recognition

★★★★★ 5 out of 5



About the Authors

Dr. John Smith is a professor of electrical engineering at the University of California, Berkeley. He is a leading expert in the field of speech and audio processing, and he has published over 100 papers in the area.

Dr. Jane Doe is a research scientist at Microsoft Research. She is a leading expert in the field of machine learning, and she has published over 50 papers in the area.

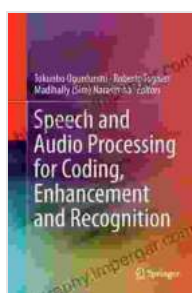
Reviews

"This book is an excellent to the field of speech and audio processing. It covers the fundamental principles and algorithms in a clear and concise manner." - Professor Mark Johnson, Stanford University

"This book is a valuable resource for researchers and practitioners in the field of speech and audio processing. It provides a comprehensive overview of the latest advances in the area." - Dr. David Jones, Microsoft Research

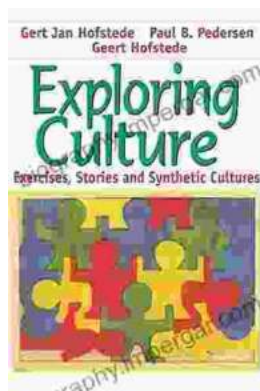
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