



Digital Hearing Aids

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Description

Digital Hearing Aids is an essential reference for information about the latest innovations in digital hearing aid technology. Concise descriptions and easy-to-reference tables and diagrams enable the reader to rapidly gain a solid understanding of digital signal processing, including such important topics as adaptive acoustic directionality, adaptive noise reduction, adaptive feedback cancellation, and sound classification. The book is divided into three main sections, with the first section providing an overview of foundational concepts, the second section presenting detailed analysis of state-of-the-art processing techniques, and the third section describing specific technical aspects of digital processing.

HIGHLIGHTS:

- ▶ Each chapter opens with a brief overview of topics and questions, rapidly orienting the reader with the scope of the material presented
- ▶ Mathematical examples in the third section of the book allow the reader to work through practical calculations, comprehend the nuts and bolts of the processing schemes, and understand the benefits and limitations of each
- ▶ More than 170 illustrations and diagrams aid the comprehension of key concepts

This handbook is ideal for audiologists, otolaryngologists, speech-language pathologists, and for other professionals involved in the applications of digital signal processing.