



**Acoustics and Audio Technology, Third Edition
(Acoustics: Information and Communication) (A
Title in J. Ross Publishing's Acoustics:
Information and Communication)**

Mendel Kleiner

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Acoustics and Audio Technology, Third Edition (Acoustics: Information and Communication) (A Title in J. Ross Publishing's Acoustics: Information and Communication) Mendel Kleiner

Acoustics and Audio Technology, Third Edition, is an introductory text for students of sound and vibration as well as electrical and electronic engineering, civil and mechanical engineering, computer science, signals and systems, and engineering physics. A fundamental knowledge of basic engineering mathematics and physics is assumed. Problems are included at the end of the chapters and a solutions manual is available to instructors. This completely revised and expanded classroom-tested third edition covers the physical background to and mathematical treatment of: sound propagation, the properties of human hearing, the generation and radiation of sound as well as architectural acoustics, the technologies used for pickup, recording, and reproduction of sound in various environments, and much more.

Key Features:

- Presents a basic short course on acoustics, fundamental equations, and sound propagation
- Discusses the principles of architectural acoustics, techniques for adjusting room acoustics, and various types of sound absorbers
- Contains an overview of the acoustical, mechanical, and electrical properties of loudspeakers, headphones, and microphones, which are important transducers
- Provides a summary of the properties of hearing and voice
- Includes an outline of digital audio and measurement in audio and acoustics
- WAV offers a solutions manual for instructors to end-of-chapter problems -- **available from the Web Added Value Download Resource Center at jrosspub.com**

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