

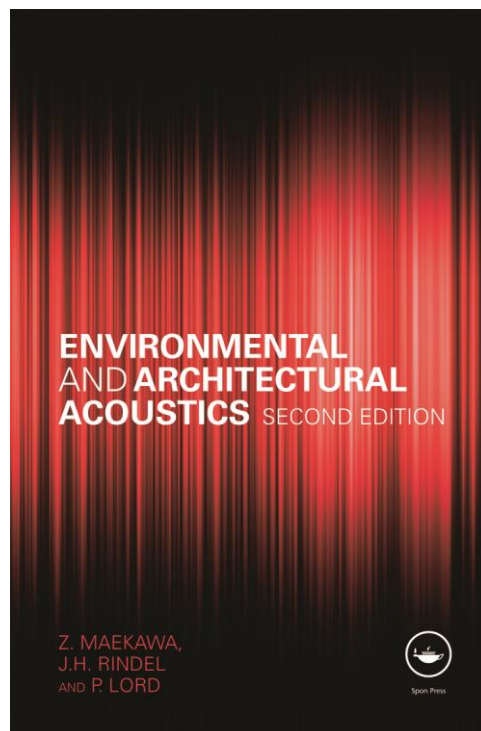
# Environmental and Architectural Acoustics

2<sup>nd</sup> Edition

Z Maekawa, J. H. Rindel and P. Lord

Adopting a multi-disciplinary approach to the practice of achieving a more acceptable acoustic environment, this book draws on the same basic principles to cover both the outdoors and indoor space. It starts with the fundamentals of sound waves and hearing and goes on to the measurement of noise and vibration, room acoustics, sound absorption, airborne sound insulation and noise and vibration control.

This serves as a foundation reference for students of architecture and environmental engineering, including those new to the study of acoustics. Problem-solving exercises are provided at the end of each chapter. The authors focus on techniques, methods and standards and lead into further more specialized material which makes the book useful for more advanced students and professional engineers.



**Selected Table of Contents:** 1. Fundamentals of Sound Waves and Hearing 2. Noise and Vibration - Measurement and Rating 3. Room Acoustics 4. Sound Absorption - Materials and Construction 5. Outdoor Sound Propagation 6. Airborne Sound Insulation 7. Isolation of Structure-borne Noise and Vibration 8. Noise and Vibration Control in the Environment 9. Acoustic Design of Rooms 10. Electro-acoustic Systems 11. Addenda

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