



Active Control of Sound

By P. A. Nelson

Elsevier Limited. Hardcover. Condition: New. 452 pages. Dimensions: 9.3in. x 6.4in. x 1.3in. Recent technological advances in the development of fast digital signal processors have made the active control of sound a practical proposition. This book brings together results from research in the two disciplines of acoustics and signal processing and presents the fundamentals of noise control in a unified manner. Practical applications are presented wherever possible although the emphasis is on the algorithmic principles which form the foundation of practical systems. The volume is written in textbook style and aimed at both undergraduate and postgraduate students of acoustics and signal processing, professional acoustical and electrical engineers, and researchers in the field of active control. Key Features Presents the fundamental principles governing both the physical properties of sound fields and modern digital techniques for processing acoustic signals Describes the physical mechanisms and energy interchanges involved in active control of sound for one- and three-dimensional problems Presents the principles and practicalities of the design of single- and multi-channel controllers for both random and deterministic sound fields This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Hardcover.



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