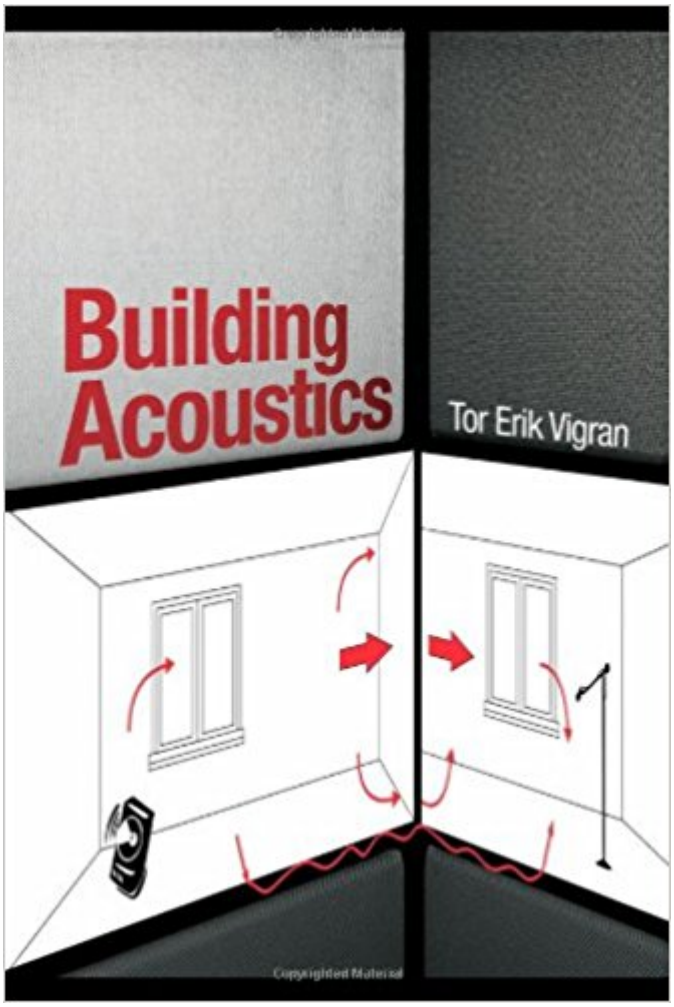
Ebook Directory
the best source of ebook

The book was found

Building Acoustics



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

Building or architectural acoustics is taken in this book to cover all aspects of sound and vibration in buildings. The book covers room acoustics but the main emphasis is on sound insulation and sound absorption and the basic aspects of noise and vibration problems connected to service equipment and external sources. Measuring techniques connected to these fields are also brought in. It is designed for advanced level engineering studies and is also valuable as a guide for practitioners and acoustic consultants who need to fulfil the demands of building regulations. It gives emphasis to the acoustical performance of buildings as derived from the performance of the elements comprising various structures. Consequently, the physical aspects of sound transmission and absorption need to be understood, and the main focus is on the design of elements and structures to provide high sound insulation and high absorbing power. Examples are taken from all types of buildings. The book aims at giving an understanding of the physical principles involved and three chapters are therefore devoted to vibration phenomena and sound waves in fluids and solid media. Subjective aspects connected to sound and sound perception is sufficiently covered by other books; however, the chapter on room acoustics includes descriptions of measures that quantify the "acoustic quality" of rooms for speech and music.

Book Information

Hardcover: 384 pages
Publisher: CRC Press; 1 edition (October 1, 2008)
Language: English
ISBN-10: 041542853X
ISBN-13: 978-0415428538
Product Dimensions: 6.9 x 1.1 x 9.7 inches
Shipping Weight: 1.8 pounds (View shipping rates and policies)
Average Customer Review: 5.0 out of 5 stars 1 customer review
Best Sellers Rank: #773,251 in Books (See Top 100 in Books) #320 inÃ Â Books > Engineering & Transportation > Engineering > Civil & Environmental > Acoustics #338 inÃ Â Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials #472 inÃ Â Books > Science & Math > Physics > Acoustics & Sound

Customer Reviews

Tor Erik Vigran is professor emeritus at the Norwegian University of Science and Technology, Head of the Acoustic Committee of Standards Norway, the Norwegian standardization organization, and

member of several working groups within ISO/TC 43 and CEN/TC 126.

Excellent

Download to continue reading...

Acoustics of Musical Instruments (Modern Acoustics and Signal Processing) Building Acoustics Speech Science Primer: Physiology, Acoustics, and Perception of Speech Preclinical Speech Science: Anatomy, Physiology, Acoustics, and Perception, Second Edition Sound Reproduction: The Acoustics and Psychoacoustics of Loudspeakers and Rooms (Audio Engineering Society Presents) Digital Audio and Acoustics for the Creative Arts Musical Acoustics, 3rd Edition Master Handbook of Acoustics, Sixth Edition Architectural Acoustics Illustrated Fundamentals of Physical Acoustics The Acoustics of Performance Halls: Spaces for Music from Carnegie Hall to the Hollywood Bowl Fourier Acoustics: Sound Radiation and Nearfield Acoustical Holography Introduction To Sound: Acoustics for the Hearing and Speech Sciences (Singular Textbook Series) Phonetics: Transcription, Production, Acoustics, and Perception Underwater Acoustics: Analysis, Design and Performance of Sonar An Introduction to Environmental Biophysics (Modern Acoustics and Signal) Hearing: An Introduction to Psychological and Physiological Acoustics Building Green, New Edition: A Complete How-To Guide to Alternative Building Methods Earth Plaster * Straw Bale * Cordwood * Cob * Living Roofs (Building Green: A Complete How-To Guide to Alternative) Building Codes Illustrated: A Guide to Understanding the 2015 International Building Code Building Codes Illustrated: A Guide to Understanding the 2012 International Building Code

Contact Us

DMCA

Privacy

FAQ & Help