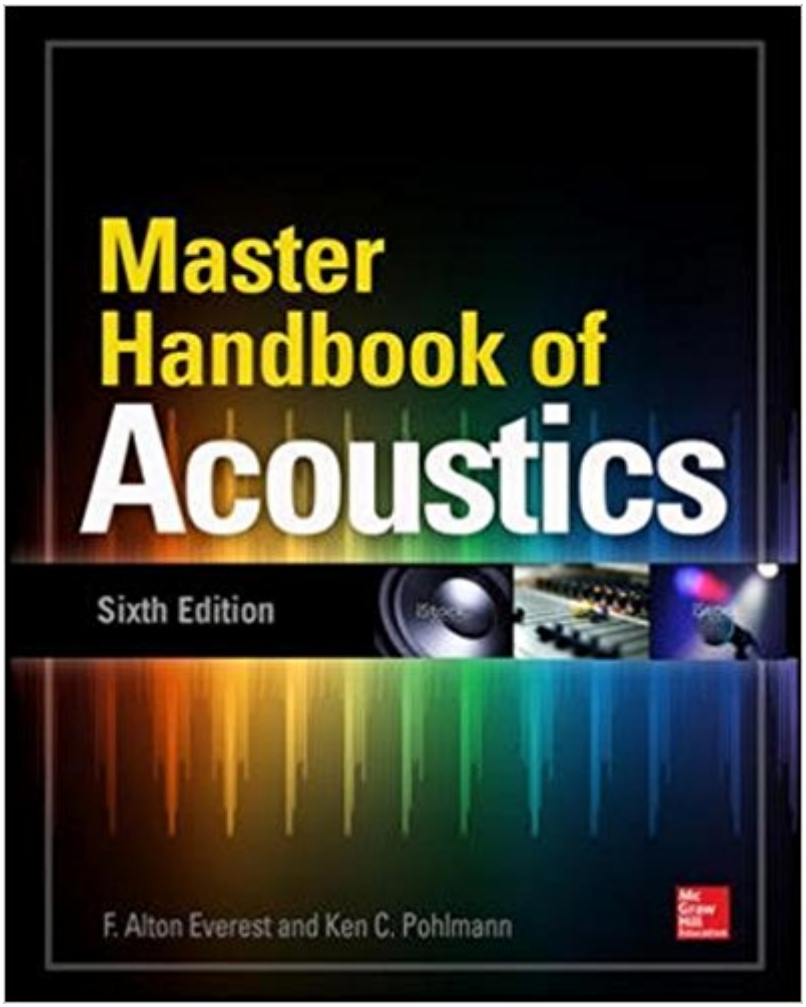
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Master Handbook Of Acoustics, Sixth Edition



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Synopsis

The most complete and current guide to architectural acoustics principles and practices Design and construct audiophile-quality sonic environments of all sizes--from home theaters and project studios to large-scale recording studios. Thoroughly revised to include new acoustical design techniques, Master Handbook of Acoustics, Sixth Edition, explains the art and science of room acoustics and architecture by combining theoretical instruction with matter-of-fact engineering advice. Written by renowned experts in the field and refined through several editions, this fully updated classic describes the fundamentals of acoustical properties, as well as the latest solutions to acoustical problems. Throughout, this authoritative text provides clear explanations, describes hands-on techniques, and features numerous room designs that can be built as presented, or adapted to your particular needs. Understand how sound waves travel in free fields and in enclosed spaces Learn how human sound perception and psychoacoustics affect room design Calculate and predict reflections, reverberation times, and room modes Perform acoustical measurements and site surveys, and choose construction materials Design, build, and install treatment modules to optimize early reflections, reverberation, and diffusion Design and build home theaters, home studios, control rooms, recording studios, and other acoustically sensitive spaces Reduce HVAC noise levels, and achieve excellent sound isolation with proven wall, window, and door designs Understand the acoustics of auditoriums and concert halls Utilize the supplied cost-effective plans and specifications for a variety of recording and listening rooms

Book Information

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> Science & Math > Physics > Acoustics & Sound

Customer Reviews

F. Alton Everest, a leading expert and authority in the field of acoustics, was an emeritus member of the Acoustical Society of America, a life member of the Institute of Electrical and Electronics Engineers, and life fellow of the Society of Motion Picture and Television Engineers. Ken C. Pohlmann (Miami, FL) was director of the Music Engineering Technology program and is professor emeritus at the University of Miami in Coral Gables. He is the author of Principles of Digital Audio, Sixth Edition and coauthor of Handbook of Sound Studio Construction, Second Edition.

The book is really loaded with usefull information, not only about acoustics but also about our perception of hearing/However it is frustrating when he explains (for example) how to make tube traps from cement pipes, but gives no details of the dimensions. So he takes up so far and then he does not give suficient details of how to complete the job.One star less for lack of details.

Although it covers the same topics as the 3rd Edition which I bought 14 years ago, the facts and description have improved allowing easier comprehension. I have not gone through the 6th Edition in minute detail, but I think it is good book on Acoustics. The documentation with supporting illustrations allow easy understanding on the subject.

Exactly what I was looking for. It explains in depth the properties of acoustics and sound waves. Reads like a textbook, but that’s ok. It’s not supposed to be a bedtime story.

Extremely well written and while it is quite technical, it is still written to be understood by anyone with a drive to learn about acoustics

It’s very useful book which written by simple language and being easy for understanding even for non-specialists in acoustic area. From my point of view it is truly handbook for every audio enthusiasts, especially for beginners.

This book is ideal for the individual who has never had interest in the physics of sound! It goes from 101 all the way to a 600 level class! The scenarios covered in this book encompass almost every possible common shape of a room or facility except for odd shapes such as ovals and circles. The

knowledge imparted in this book will help any one improve the sound of their space when implemented . This is a textbook so don’t expect novel like story telling. Study this and you are on your way to being an acoustician!

Great guide to have if you work with installed sound and Audio Visual intense displays.

Awesome summary of acoustic engineering terms and information, a great desk reference!

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