



Spatial Hearing - Revised Edition: The Psychophysics of Human Sound Localization

By Jens Blauert

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The field of spatial hearing has exploded in the decade or so since Jens Blauert's classic work on acoustics was first published in English. This revised edition adds a new chapter that describes developments in such areas as auditory virtual reality (an important field of application that is based mainly on the physics of spatial hearing), binaural technology (modeling speech enhancement by binaural hearing), and spatial sound-field mapping. The chapter also includes recent research on the precedence effect that provides clear experimental evidence that cognition plays a significant role in spatial hearing. The remaining four chapters in this comprehensive reference cover auditory research procedures and psychometric methods, spatial hearing with one sound source, spatial hearing with multiple sound sources and in enclosed spaces, and progress and trends from 1972 (the first German edition) to 1983 (the first English edition) -- work that includes research on the physics of the external ear, and the application of signal processing theory to modeling the spatial hearing process. There is an extensive bibliography of more than 900 items.

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Bibliography

- Sales Rank: #997994 in Books
- Published on: 1996-10-02
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x 1.40" w x 6.30" l, 1.75 pounds
- Binding: Hardcover
- 508 pages

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Editorial Review

Review

A comprehensive, thorough, and easily readable survey of all the important work that has been done on the theories of hearing.

(R. J. Orłowski *Applied Acoustics*)

There are two kinds of hearing. One kind is the hearing we are born with...The other kind of hearing is learned, and develops as an elaborate form of pattern recognition in which the ear and brain cooperate...The richness of this auditory space, much of it based on cues at or below the edge of conscious awareness, is explored in great detail by a distinguished expert in spatial hearing. It is a technically thorough, clearly presented review of almost everything known about that subject.

(*Audio*)

Language Notes

Text: English (translation)

Original Language: German

From the Back Cover

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Billie Duran:

Do you certainly one of people who can't read gratifying if the sentence chained within the straightway, hold on guys this aren't like that. This Spatial Hearing - Revised Edition: The Psychophysics of Human Sound Localization book is readable simply by you who hate the straight word style. You will find the details here are arrange for enjoyable reading through experience without leaving possibly decrease the knowledge that want to supply to you. The writer associated with Spatial Hearing - Revised Edition: The Psychophysics of Human Sound Localization content conveys the thought easily to understand by a lot of people. The printed

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Lou Whisenhunt:

Your reading 6th sense will not betray you actually, why because this Spatial Hearing - Revised Edition: The Psychophysics of Human Sound Localization e-book written by well-known writer we are excited for well how to make book that can be understand by anyone who have read the book. Written inside good manner for you, still dripping wet every ideas and composing skill only for eliminate your hunger then you still skepticism Spatial Hearing - Revised Edition: The Psychophysics of Human Sound Localization as good book not only by the cover but also by content. This is one publication that can break don't evaluate book by its handle, so do you still needing another sixth sense to pick this particular!? Oh come on your examining sixth sense already told you so why you have to listening to yet another sixth sense.

Donna Bledsoe:

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