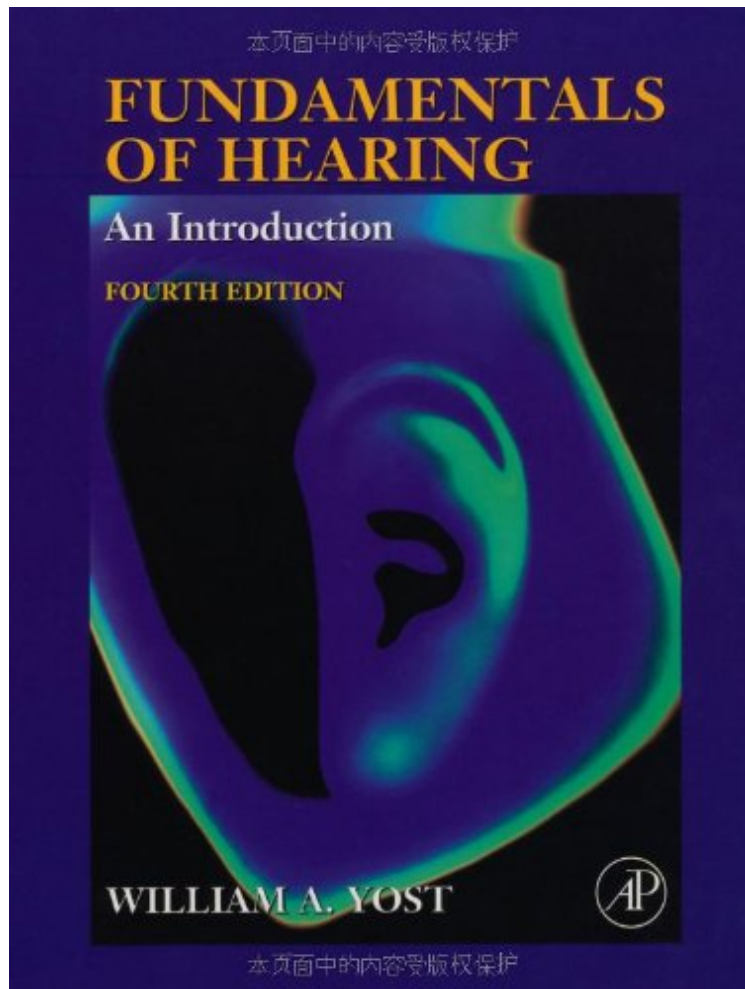


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Fundamentals of Hearing, Fourth Edition: An Introduction

William A. Yost

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William A. Yost : Fundamentals of Hearing, Fourth Edition: An Introduction before purchasing it in order to gage whether or not it would be worth my time, and all praised Fundamentals of Hearing, Fourth Edition: An Introduction:

2 of 2 people found the following review helpful. Fundamentals of Hearing - a good review - a good plae to startBy L. ColtonYost's "Fundamentals of Hearing" was recommended by a more advanced acoustics reference, as a basic reference. I was able to locate the edition third edition (1994) in a library. I found it to be very comprehensive. It answered many of many questions that other "comprehensive" acoustic references (including one published 2008)appeared to skip over. I plan to purchase a later edition of this book for my personal library, as there is a fourth edition (2000) and a fifth edition (2006.)6 of 10 people found the following review helpful. poor basics and too much airBy Michael LippertI got the book from a friend and iam very disappointed. The book covers what all the other books cover too, but the author uses three quarters of the letters only to fill space. The content could be much more

compressed, also are the figures poorly made or just copied from papers. But a much larger problem is, that the author seems not to have any idea what he is talking about in terms of physics. The formulas that are given use wrong abbreviations, mixes that abbreviations (uses T and t for time only 5 cm apart) and gives the formulas not necessarily showing that he knows how to use them correctly. If you want a good book about the basics of hearing, buy another one.

The Fourth Edition of Yost's successful introductory book on hearing, this edition updates and expands the fundamental facts about hearing. Fundamentals of Hearing is still the only non-edited book that covers sound, auditory anatomy and physiology, and psychoacoustics and auditory perception in one book at an introductory level. An Instructor's Workbook contains 15 chapters, one for each in the textbook. Each chapter contains 12 problems and answers, suggested tracks from the ASA Audio CD-ROM (audio examples for understanding hearing provided by the Acoustical Society of America-this CD-ROM will not be included), suggestions for class exercises, and for some chapters, example figures and graphs. The CD-ROM provided with the Instructor's Workbook contains a copy of all the figures in the textbook, as well as text files that can be loaded into any spread sheet. These files contain the basic data and plots used in the book, a toolbox of MATLAB routines (a math program of Mathworks, Inc., used by many people who study all aspects of hearing), both MATLAB and executable Windows 95 programs for a) generating sounds, b) a simulation of measuring a neural tuning curve, and c) running psychophysical experiments for discrimination and detection of tones in noise (both diotic and dichotic). Key Features* Approximately 25% new information* Contains a new chapter, The Abnormal Auditory System, which replaces the chapter on Noise* All figures redone* Instructor's Workbook and CD-ROM also available* Includes Website, with a Hearing Tutorial based on the book

"This is an excellent text for an introductory course in hearing science. It is concise and... easy to read even as a presentation of complex material. The illustrations, use of supplements, and concise explanations of a wide range of material in a single book make this particularly useful as a text. In the latest edition a section has been added on the abnormal auditory system. In addition, a CD-ROM and workbook are available. These features make the fourth edition a worthwhile improvement." DOODY'S
From the Back Cover
In its new Fourth Edition, Fundamentals of Hearing: An Introduction covers the subject of hearing from sound to sensation, including the structure and function of the auditory system. Written at an introductory level, and requiring a minimal background in math and science, Fundamentals of Hearing is intended for students in fields concerned with sensory systems, perception, the nervous system, human and animal communication, and speech and hearing sciences and disorders. Fundamentals of Hearing will also assist any professional in the field of hearing in finding key facts and data about the auditory system. The new Fourth Edition offers sixteen chapters, with 25 percent new information, covering:
* The Auditory Stimulus
* Peripheral Auditory Anatomy and Physiology
* Auditory Perception of Simple Sounds
* Complex Sound Processing
* The Central Auditory Nervous System
* And, a new chapter, The Abnormal Auditory System
Six appendices cover:
* Sinusoids and Trigonometry
* Logarithms
* Fourier Analysis
* Psychophysics
* Neural Anatomy and Physiology
* Techniques and Tools Used to Study Hearing
Instructors: accompanying Instructor's Workbook and CD-ROM also available - contact your bookstore or Academic Press for more information.
About the Author
William A. Yost is Professor of Hearing Sciences, Adjunct Professor of Psychology, and Adjunct Professor of Otolaryngology at Loyola University Chicago. He is also director of the Parmlly Institute and the Interdisciplinary Neuroscience Minor.