Acoustics for Audiologists

Peter Haughton, P. M. Haughton
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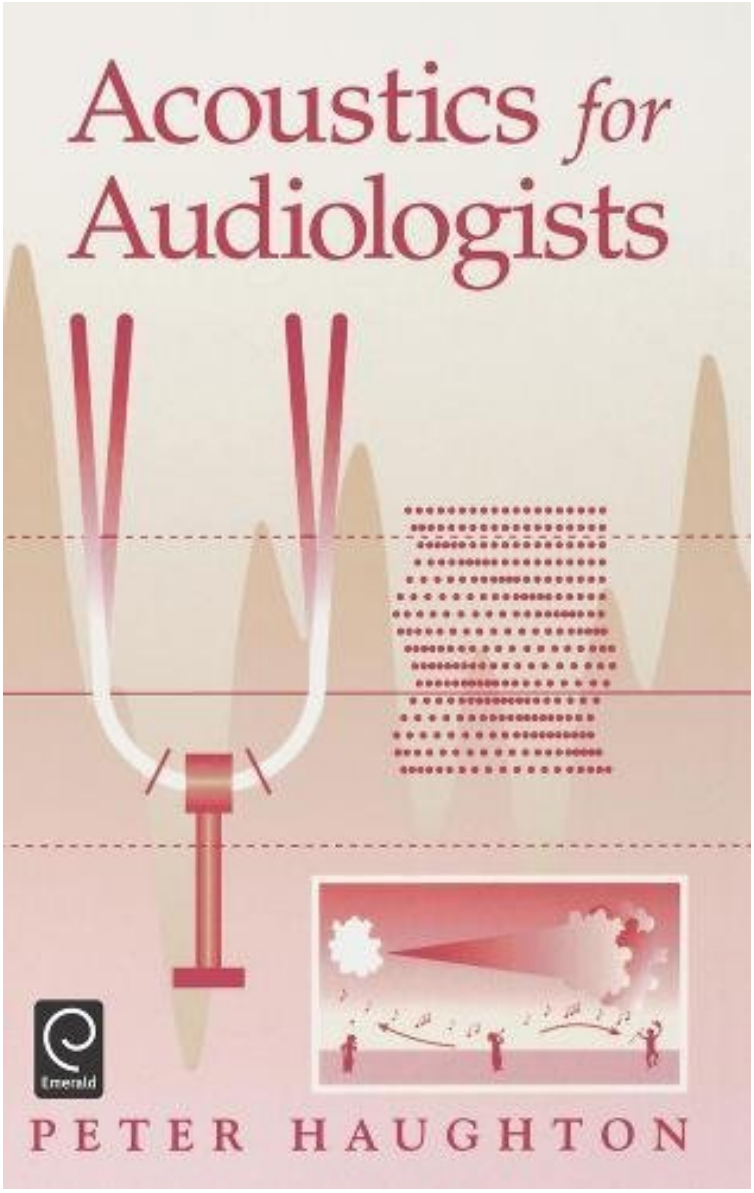

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Peter Haughton, P. M. Haughton : Acoustics for Audiologists before purchasing it in order to gage whether or not it would be worth my time, and all praised Acoustics for Audiologists:

Many who come to work in audiology have little previous training in acoustics, or in the physical sciences generally.

They find these subjects difficult, but when they seek help from books on audiology, they are likely to find only superficial accounts whereas books on acoustics mostly assume a physics-based readership and are consequently too difficult for the general reader. "Acoustics for Audiologists" fills the gap. It can be read at several levels. At the most basic, it provides a full explanation of many of the general principles and special terms in acoustics that are relevant to clinical audiology and audiological science. The main text is supported by an introductory chapter covering the underlying physics, an appendix on the required mathematics, and worked examples and questions. At a more advanced level, the book answers the needs of students of audiological science and audiological medicine for whom previous studies have not included the physical sciences. It is written for audiologists, trainee audiological scientists, and students of audiological medicine. The supporting text includes a quick review of the relevant physics and mathematics. It contains special exercises in working with decibels. It also contains worked examples to assist self-study and as a source for taught courses. It features more than 170 figures.

"Although the author states that he wrote the book primarily for audiologists it is clearly of value to many others."JOURNAL OF AUDIOLOGICAL MEDICINE .,"an excellent resource...useful to the study of hearing science prerequisite to graduate study of clinical audiology...4 Stars!"DOODY'S .,."[we] recommend this book...for Audiology departments, calibration services, and as a teaching text suitable for BSc and MSc level Audiology."--ENT NEWS .,."an excellent book that stands out from the competition...an essential reference work for all undergraduate and postgraduate programmes in audiology."BSA NewsFrom the Back CoverAudiology is a relatively new discipline and acoustics a well-established branch of physics. The two disciplines have broadened their applications in recent years, but while acoustics has remained firmly based in physics, audiology has by its nature become a paramedical discipline. Acoustics for Audiologists brings together these two areas and demonstrates how acoustics is an important foundation of audiology.Many who come to work in audiology have little previous training in acoustics or in the physical sciences. They find these subjects difficult, but when seeking help from books on audiology, they are likely to find only superficial accounts whereas books on acoustics mostly assume a physics-based readership and are too difficult for the general reader.Acoustics for Audiologists fills the gap and can be read at several levels. At the most basic, it provides a full explanation of many of the general principles and special terms in acoustics that are relevant to clinical audiology and audiological science. At a more advanced level, the book answers the acoustical needs of students of audiological science and audiological medicine for whom previous studies have not included the physical sciences.About the AuthorPeter Haughton was born in London in 1941. After obtaining a degree in physics he joined a small research team in the Astbury Department of Biophysics at the University of Leeds where he was awarded a PhD for work on the mechanical properties of cellulose. He also enjoyed a short-term appointment in the botany department of the University of Washington where he did similar work. Two brief period of employment followed, one at a technical college, teaching mathematics and physics, and one in the University of Glasgow working on the rheology of silicon-based liquids. In 1975 he joined the medical physics department at Hull Royal Infirmary where his principal duties were to provide scientific support for the ENT and audiology departments.