Acoustics in Hearing, Speech and Language Sciences: An Introduction, Loose-Leaf Version (Allyn Bacon Communication Sciences and Disorders)

Ian R. A. MacKay
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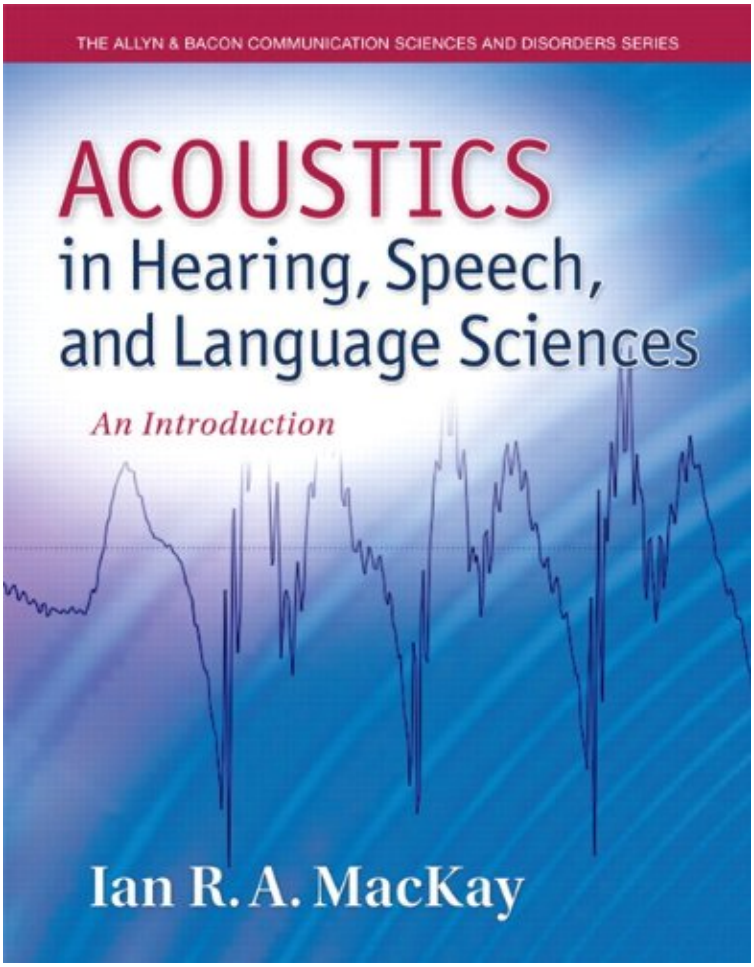

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Ian R. A. MacKay : Acoustics in Hearing, Speech and Language Sciences: An Introduction, Loose-Leaf Version (Allyn Bacon Communication Sciences and Disorders) before purchasing it in order to gage whether or not it would be worth my time, and all praised Acoustics in Hearing, Speech and Language Sciences: An Introduction, Loose-Leaf Version (Allyn Bacon Communication Sciences and Disorders):

Acoustics in Hearing, Speech, and Language Sciences: An Introduction gives readers a clear, comprehensive

understanding of acoustics in the context of human communications through examples and analogies from everyday life or general experience. Mathematically the book stops short of calculus, using inductive reasoning to present material that can be proven only with calculus, and presenting multiple examples of mathematical calculations, with very explicit steps. Included are Questions and Problems sections focusing on often-misunderstood areas; Closer Look sections reinforcing and strengthening understanding of the material; and non-conventional, but scientifically accurate explanations of certain phenomena.

From the Back Cover This comprehensive introduction to acoustics and the acoustics of speech takes a topic that is often challenging to students, and presents it in a clearly written, reader friendly approach that makes the concepts accessible to students from various scientific backgrounds. Using examples and analogies from everyday life or experiences, the text explains aspects of basic acoustics in the context of communication disorders and speech research, with a special emphasis on helping students achieve a high level of actual understanding. Suitable for upper level undergraduate or graduate students of audiology, speech-language pathology, linguistics, and cognitive science/psychology, the book includes helpful reviews of concepts students might have studied previously, but are essential to understanding the materialreading graphs, the nature of atmospheric pressure, significant digits, scientific notation, numerical scales, basic phonetics, and more. Mathematically the book stops short of calculus, using inductive reasoning to present material. Analogies and everyday examples apply scientific methods to commonplace experiences, making them easier to comprehend.