Music, Physics and Engineering (Dover Books on Music)

Harry F. Olson
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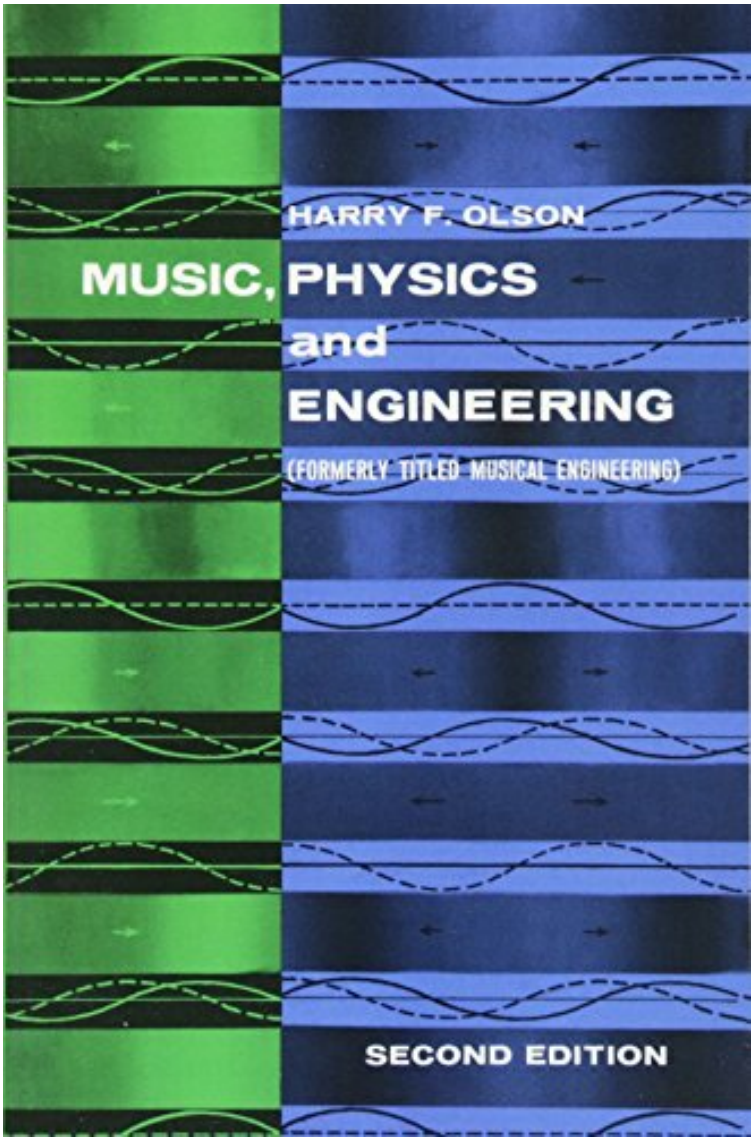

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Harry F. Olson : Music, Physics and Engineering (Dover Books on Music) before purchasing it in order to gage whether or not it would be worth my time, and all praised Music, Physics and Engineering (Dover Books on Music):

1 of 1 people found the following review helpful. Great book on the subjectBy Dave CowThis book explains the subject really well. Provides factual information and provides some theory. Most of the book is easy to follow but there sections that were difficult to grasp the text along with the formulas. Overall I really found this book very useful1 of 1 people found the following review helpful. This is a must have for anyone interested in recording ...By

Scott SkowronThis is a must have for anyone interested in recording or live sound. It's a little dry for reading cover to cover, and long winded as a refference, but the information it contains makes it well worth having.1 of 1 people found the following review helpful. Too Good to Be TrueBy MarcAlthough I have learned quite a bit from going to school for Audio Production (degree of Art) I love this book for teaching me more more about the scientific side of audio engineering.

Now thoroughly revised and enlarged, this book offers the most comprehensive coverage available of all aspects of the production, reception, and reproduction of sound. Written clearly and concisely, all its chapters can be understood without specialized training in music, physics, engineering, or mathematics.Dr. Olson discusses the nature of sound waves; explains the division of sound into scale patterns and the traditional method of notating them; describes the individual characteristics of all musical instruments currently in use (including the human voice); shows how the ears hear; discusses concert hall and recording studio acoustics, amplification systems, etc; describes the elements of sound reproduction systems from the telephone to the stereo record player; and concludes with a new chapter on the production, development, and potentialities of electronic music.Under these broad headings, readers will find a close analysis of the way in which a violin produces sound; descriptions of carbon, crystal, dynamic, velocity, and unidirectional microphones; a comparison of the relative absorbency of 22 acoustic materials, building materials, and objects; a description of how music can be produced by a digital computer; and much, much more. Conductors will find suggestions on positioning their orchestras; performers will understand the dynamics of their instruments; recording engineers and acousticians will discover a remarkably comprehensive reference work; and music teachers, students, physicists, and enthusiasts in general will find easy access to a vast wealth of information.