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## Physics and Music: The Science of Musical Sound

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By Harvey Elliott White

Dover Publications Inc., United States, 2014. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. This foundational text is written for students who want to go beyond the perceptual stage of music to learn how musical sound is created and perceived. It surveys a wide range of topics related to acoustics, beginning with a brief history of the art and science of music. Succeeding chapters explore the general principles of sound, musical scales, the primary ways in which sound can be generated, the characteristics of instruments, the use of mechanical and electronic recording devices, hi-fi stereophonic and quadraphonic sound, the design of electronic musical instruments, and architectural acoustics. Comprehensive yet accessible, Physics and Music includes over 300 diagrams, photographs, and tables. Each chapter concludes with questions, problems, and projects, in addition to references for further study. 1980 edition.



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