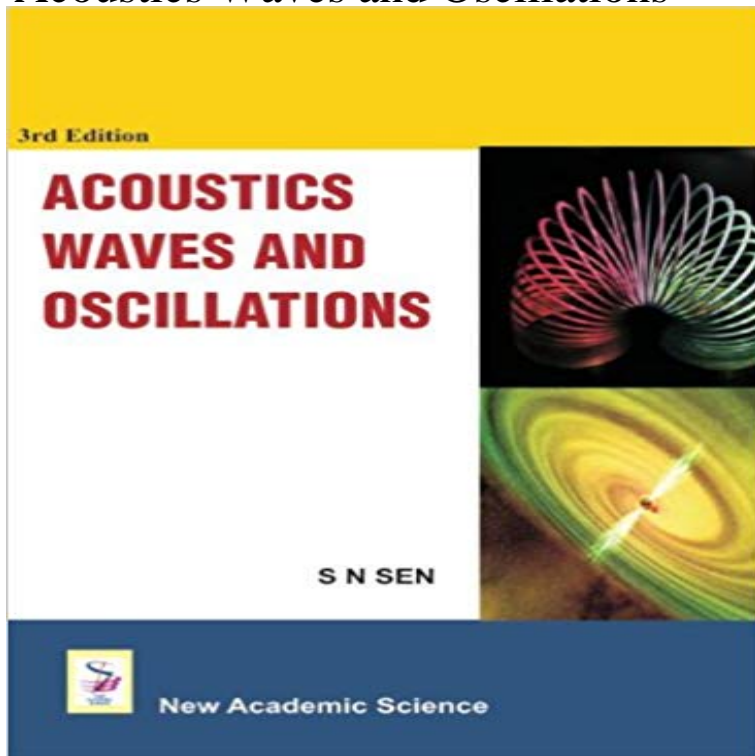


Acoustics Waves and Oscillations



Parameters of acoustics presented in a logical and lucid style Physical principles discussed with mathematical formulations Importance of ultrasonic waves highlighted Dispersion of ultrasonic waves in viscous liquids explained This book presents the theory of waves and oscillations and various applications of acoustics in a logical and simple form. The physical principles have been explained with necessary mathematical formulation and supported by experimental layout wherever possible. Incorporating the classical view point all aspects of acoustic waves and oscillations have been discussed together with detailed elaboration of modern technological applications of sound. A separate chapter on ultrasonics emphasizes the importance of this branch of science in fundamental and applied research. In this edition a new chapter Hypersonic Velocity in Viscous Liquids as revealed from Brillouin Spectra has been added. The book is expected to present to its readers a comprehensive presentation of the subject matter and at the same time to guide him for independent thinking on some new lines of investigation. New Academic Science is a newly established Science, Technical and Medical publisher. We offer high level text and reference titles to the academic community. Written by leading scientists and academic professionals affiliated to prestigious institutions worldwide, our books bring into focus innovative research and the latest teaching theories and concepts. Some of the many areas we publish in include: -Electrical Engineering -Mechanical Engineering -Chemistry -Mathematics -Physics -Computer Science

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