



## Introduction to the Physics of Waves (Hardback)

By Tim Freegarde

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2013. Hardback. Book Condition: New. 248 x 194 mm. Language: English . Brand New Book. Balancing concise mathematical analysis with the real-world examples and practical applications that inspire students, this textbook provides a clear and approachable introduction to the physics of waves. The author shows through a broad approach how wave phenomena can be observed in a variety of physical situations and explains how their characteristics are linked to specific physical rules, from Maxwell's equations to Newton's laws of motion. Building on the logic and simple physics behind each phenomenon, the book draws on everyday, practical applications of wave phenomena, ranging from electromagnetism to oceanography, helping to engage students and connect core theory with practice. Mathematical derivations are kept brief and textual commentary provides a non-mathematical perspective. Optional sections provide more examples along with higher-level analyses and discussion. This textbook introduces the physics of wave phenomena in a refreshingly approachable way, making it ideal for first- and second-year undergraduate students in the physical sciences.

[DOWNLOAD](#)



[READ ONLINE](#)

[ 3.41 MB ]

### Reviews

*These kinds of publication is the ideal pdf offered. It generally is not going to expense too much. I am just delighted to let you know that this is actually the very best book i have go through inside my very own life and might be the finest ebook for ever.*

-- **Mabelle Schoen**

*Great e book and beneficial one. It is amongst the most awesome pdf i actually have read through. You wont feel monotony at any time of your own time (that's what catalogs are for relating to if you request me).*

-- **Dorothy Daugherty**