



# Waves in Fluids (Cambridge Mathematical Library)

By James Lighthill

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## Waves in Fluids (Cambridge Mathematical Library) By James Lighthill

James Lighthill provides readers with a thorough analysis of sound waves, shock waves, waterwaves of all kinds, and the so called internal waves (inside atmospheres and oceans) due to intensity stratification. He emphasizes the most useful fundamental ideas of wave science, including the principles of how waves interact with flows. This work on one of the great subdivisions of fluid dynamics will be invaluable to engineers, physicists, geophysicists, applied mathematicians, and researchers concerned with wave motions or fluid flows.

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### **Editorial Review**

#### **Review**

'All students of fluid mechanics admire the author as an outstandingly successful contributor and expositor. The present book is an excellent example of his powers and will be especially appreciated by new converts to the field. Not only will they be able to learn the basic ideas of wave motions but also how to marry mathematics and physics in a mutually beneficial way; and they can hone their technique on the large number of sensible and realistic examples included in the text.' *Nature*

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