<<流体中的波>>

图书基本信息

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内容概要

本书是一部讲述流体力学的基础理论教程，是一部很难超越的经典。
自1978年首次出版以来，本书曾于1978,1979,1980,1987,1990,1993,1996,2001,2005多次重印出版。
书中包括了许多十分重要和有趣图片，弥补了有些学生不能走进实验室现场观察流体现象的缺憾。
每章末都包含有习题。
和许多同类书比较，本书对于激发数学专业和工程专业的学生学习本专业具有很大的帮助作用。

读者对象：物理专业，应用数学专业的学生，老师以及工程人员。

作者简介

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章节摘录

 插图： We now consider what features in real plane waves of sound prevent these impossible deformations of waveforms in general,and then analyse,taking those features into account,the real wave generated by impulsive motion of a piston into fluid.Note that the only features which can modify our conclusions on simple-wave propagation are dissipative processes,since the Riemann theory（section 2.8）underlying our conclusions is exact for waves subject only to nondissipative processes.Out of the various dissipative processes considered in sections1.13 and 2.7,we must find therefore whether any can produce effects big enough and fast enough to annul a powerful and rapid tendency for transformations of waveform like those between figures 31 and 32.

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