

<<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。

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作者简介

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<<流体中的波>>

书籍目录

preface

prologue

chapter 1. sound waves

1.1 the wave equation

1.2 the speed of sound

1.3 acoustic energy and intensity

1.4 the simple source

1.5 the acoustic dipole

1.6 compact source regions in general

1.7 compact source regions with dipole far fields

1.8 ripple-tank simulations

1.9 scattering by compact bodies

1.10 quadrupole radiation

1.11 radiation from spheres

1.12 radiation from plane walls

1.13 dissipation of acoustic energy

exercises on chapter 1

chapter 2. one-dimensional waves in fluids

2.1 longitudinal waves in tubes and channels

2.2 examples, including elastic tubes and open channels

2.3 transmission of waves through junctions

2.4 propagation through branching systems

2.5 cavities, constrictions, resonators

2.6 linear propagation with gradually varying composition and

cross-section

2.7 frictional attenuation

2.8 nonlinear theory of plane waves

2.9 simple waves

2.10 shock waves

2.11 theory of simple waves incorporating weak shock waves

2.12 hydraulic jumps

2.13 nonlinear propagation with gradually varying composition and

cross-section

2.14 nonlinear geometrical acoustics

exercises on chapter 2

chapter 3. water waves

3.1 surface gravity waves

3.2 sinusoidal waves on deep water

3.3 sinusoidal waves on water of arbitrary, but uniform,

depth

3.4 ripples

3.5 attenuation

3.6 introduction to group velocity

3.7 the fourier analysis of dispersive systems

3.8 energy propagation velocity

<<流体中的波>>

3.9 wave patterns made by obstacles in a steady stream

3.10 ship waves

exercises on chapter 3

chapter 4. internal waves

4.1 introduction to internal gravity waves

4.2 combined theory of sound and internal waves

4.3 internal waves in the ocean and in the atmosphere

4.4 introduction to anisotropic dispersion

4.5 general theory of ray tracing

4.6 ray tracing in a wind

4.7 steady streaming generated by wave attenuation

4.8 stationary phase in three dimensions

4.9 general theory of oscillating sources of waves

4.10 internal waves generated by an oscillating source

4.11 caustics

4.12 wave generation by travelling forcing effects

4.13 waveguides

exercises on chapter 4

epilogue

part 1 a variety of waves in fluids

part 2 nonlinear effects on dispersive wave propagation

bibliography

(indexed as pages a to q)

part 1 some basic texts

part 2 acoustic literature

part 3 water-wave literature.

part 4 stratified-fluids literature

part 5 a bibliography for the epilogue

notation list

author index

subject index

<<流体中的波>>

章节摘录

版权页：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 sections 1.13 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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