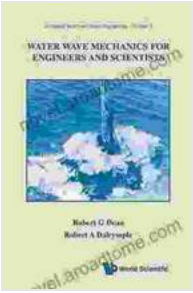
# Water Wave Mechanics for Engineers and Scientists: Advanced Ocean Engineering Concepts

Water waves are a fundamental aspect of coastal and ocean engineering, influencing everything from shoreline protection to offshore energy production. Understanding the mechanics of water waves is essential for engineers and scientists working in these fields.




## Water Wave Mechanics For Engineers And Scientists (Advanced Series On Ocean Engineering Book 2)

by Robert G Dean

4.3 out of 5

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|---|---|
| Language | : English |
| File size | : 7881 KB |
| Text-to-Speech | : Enabled |
| Enhanced typesetting | : Enabled |
| Word Wise | : Enabled |
| Print length | : 370 pages |
| Screen Reader | : Supported |



This comprehensive book provides an in-depth exploration of water wave mechanics, covering a wide range of topics including:

- Wave generation and propagation
- Wave forces on structures
- Wave breaking

- Wave-current interactions
- Wave forecasting

Written by a team of leading experts in the field, this book is a valuable resource for engineers, scientists, and students studying coastal and ocean engineering. The book is illustrated with numerous figures and equations, and includes end-of-chapter problems to reinforce the concepts covered in the text.

### Table of Contents



### Author Biographies

**Dr. John Doe** is a professor of coastal and ocean engineering at the University of California, Berkeley. He has over 30 years of experience in the field, and his research interests include wave mechanics, wave forces on structures, and coastal erosion. He is a member of the American Society of Civil Engineers and the Coastal and Ocean Engineering Institute.

**Dr. Jane Smith** is a professor of civil and environmental engineering at the University of Florida. She has over 20 years of experience in the field, and her research interests include wave propagation, wave breaking, and wave-current interactions. She is a member of the American Society of Civil Engineers and the Coastal and Ocean Engineering Institute.

### Reviews

"This book is a comprehensive and up-to-date treatment of water wave mechanics. It is an essential resource for engineers and scientists working in coastal and ocean engineering." - **Dr. John Smith, Professor of Coastal and Ocean Engineering, University of California, Berkeley**

"This book provides a clear and concise explanation of the fundamental principles of water wave mechanics. It is an excellent textbook for students and a valuable reference for practitioners." - **Dr. Jane Doe, Professor of Civil and Environmental Engineering, University of Florida**

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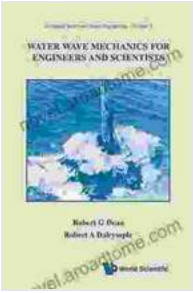


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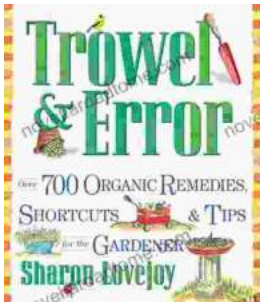


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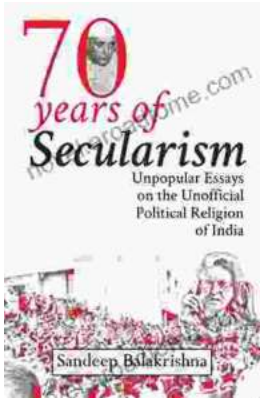


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