

Modern Acoustics and Signal Processing

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# Computational Ocean Acoustics

*Second Edition*

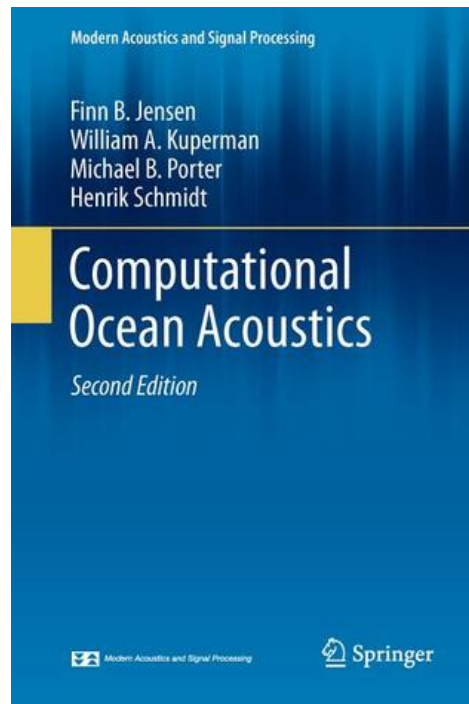


Modern Acoustics and Signal Processing



Springer

## \* Computational Ocean Acoustics \*



### Books Details

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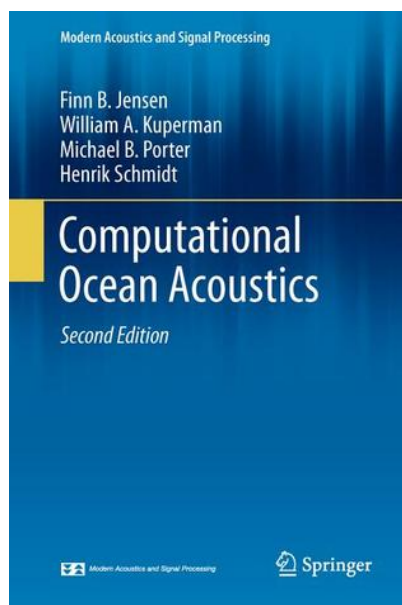
### Books Descriptions

Senior level/graduate level text/reference presenting state-of-the-art numerical techniques to solve the wave equation in heterogeneous fluid-solid media. Numerical models have become standard research tools in acoustic laboratories, and thus computational acoustics is becoming an increasingly important branch of ocean acoustic science. The first edition of this successful book, written by the recognized leaders of the field, was the first to present a comprehensive and modern introduction to computational ocean acoustics accessible to students. This revision, with 100 additional pages, completely updates the material in the first edition and includes new models based on current research. It includes problems and solutions in

every chapter, making the book more useful in teaching (the first edition had a separate solutions manual). The book is intended for graduate and advanced undergraduate students of acoustics, geology and geophysics, applied mathematics, ocean engineering or as



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