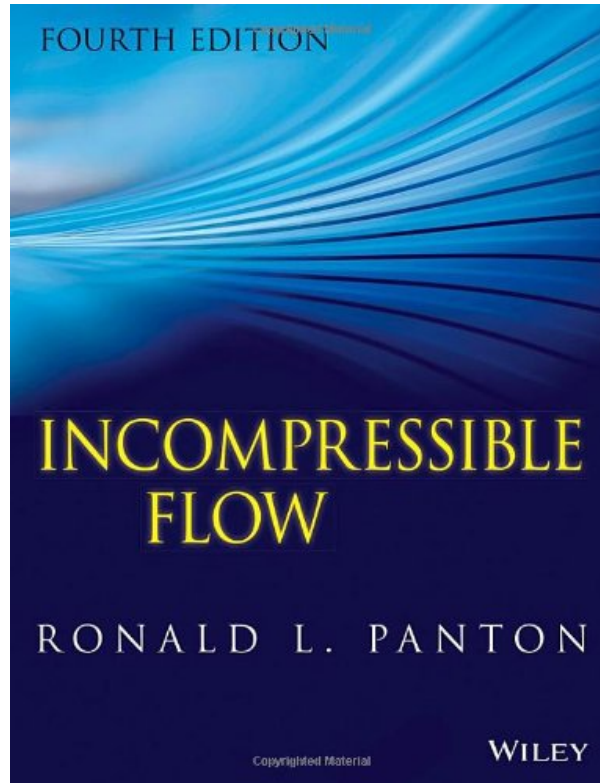


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Review

“Incompressible Flow, Fourth Edition is the ideal coursebook for classes in fluid dynamics offered in mechanical, aerospace, and chemical engineering programs.” (Expofairs.com, 28 November 2013)

From the Back Cover

The most teachable book on incompressible flow— now fully revised, updated, and expanded

Incompressible Flow, Fourth Edition is the updated and revised edition of Ronald Pantan's classic text. It continues a respected tradition of providing the most comprehensive coverage of the subject in an exceptionally clear, unified, and carefully paced introduction to advanced concepts in fluid mechanics. Beginning with basic principles, this Fourth Edition patiently develops the math and physics leading to major theories. Throughout, the book provides a unified presentation of physics, mathematics, and engineering applications, liberally supplemented with helpful exercises and example problems.

Revised to reflect students' ready access to mathematical computer programs that have advanced features and are easy to use, Incompressible Flow, Fourth Edition includes:

- Several more exact solutions of the Navier-Stokes equations
- Classic-style Fortran programs for the Hiemenz flow, the Psi-Omega method for entrance flow, and the laminar boundary layer program, all revised into MATLAB
- A new discussion of the global vorticity boundary restriction
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About the Author

RONALD L. PANTON is the J. H. Herring Centennial Professor Emeritus in the Department of Mechanical Engineering at The University of Texas at Austin.

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- Sales Rank: #422420 in Books
- Brand: Brand: Wiley
- Published on: 2013-08-05
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x 1.35" w x 7.70" l, 3.11 pounds
- Binding: Hardcover
- 912 pages

Features

- Used Book in Good Condition

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Incomprehensible Flow

By A Customer

This book presents a horrible introduction to graduate level fluid mechanics. Some faculties like to teach from this book because of a few well-written sections near the end of an otherwise disastrous attempt on the subject. Kundu or Currie present a much more comprehensive approach to introducing the wonderful subject of fluids and the different solutions of the Navier-Stokes equations.

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By Xiao Hu

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GRADUATE level texts. They are more of a dual level text IMO. And none of those cover as many important topics as this one does. And they try to avoid using tensor. But unfortunately, tensor is one of the most beautiful concepts in continuum mechanics. Any text book on continuum mechanics avoiding using tensor is at most a dual level text IMO.

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By UT student

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