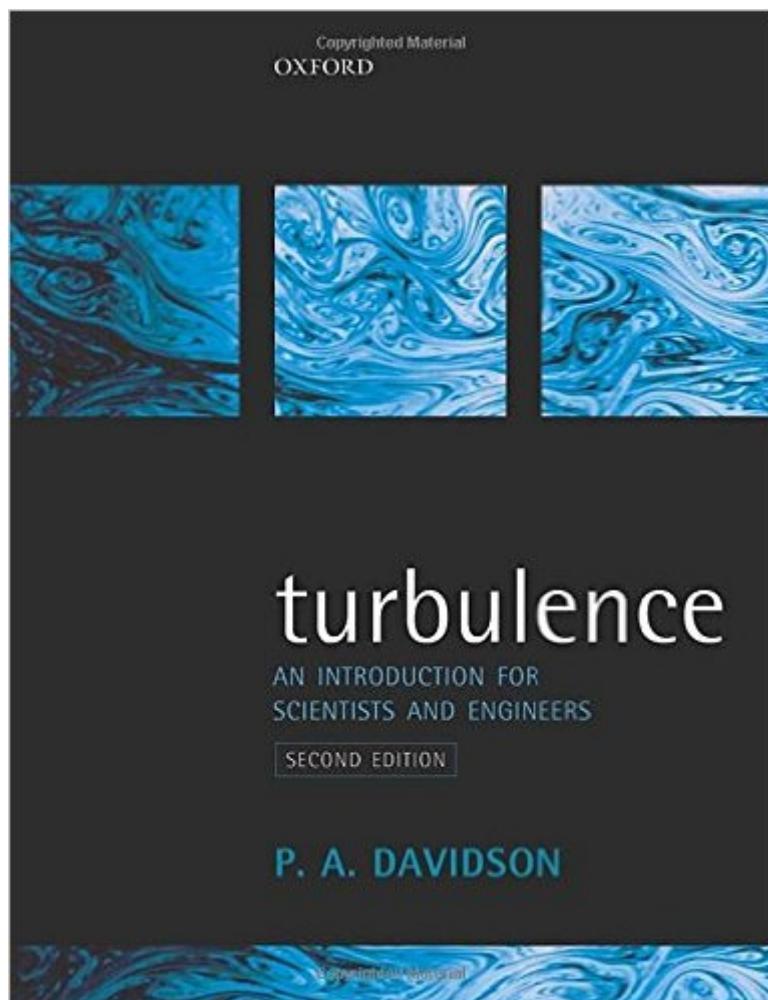


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# Turbulence: An Introduction For Scientists And Engineers



## **Synopsis**

This is an advanced textbook on the subject of turbulence, and is suitable for engineers, physical scientists and applied mathematicians. The aim of the book is to bridge the gap between the elementary accounts of turbulence found in undergraduate texts, and the more rigorous monographs on the subject. Throughout, the book combines the maximum of physical insight with the minimum of mathematical detail. Chapters 1 to 5 may be appropriate as background material for an advanced undergraduate or introductory postgraduate course on turbulence, while chapters 6 to 10 may be suitable as background material for an advanced postgraduate course on turbulence, or act as a reference source for professional researchers. This second edition covers a decade of advancement in the field, streamlining the original content while updating the sections where the subject has moved on. The expanded content includes large-scale dynamics, stratified & rotating turbulence, the increased power of direct numerical simulation, two-dimensional turbulence, Magnetohydrodynamics, and turbulence in the core of the Earth

## **Book Information**

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## **Customer Reviews**

The book itself is really good and physical. Just got the second edition, haven't read it, I base my impressions on the first edition. However, I have to tell that the typesetting of the second edition (hardcover) is awful, moreover compared with the nice layout of the first edition (paperback). Just seems to be some crappy standard layout. Oxford university press did a very poor and cheap job, shame on them.

great supplement to Hinze's 1975 "Turbulence".

Comprehensive approach to turbulence, complementary to Turbulence from Stephen Pope. Intends to be less mathematical and more physical.

Very well written and illustrated. If I only had a few years to sit down and read it entirely!

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