

# Turbulent Flows

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## Turbulence

Editor: P. Bradshaw  
2nd corrected and updated edition 1978  
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(Topics in Applied Physics, Volume 12)  
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**Contents:** P. Bradshaw: Introduction. — H. H. Fernholz: External Flows. — J. P. Johnston: Internal Flows. — P. Bradshaw, J. D. Woods: Geophysical Turbulence and Buoyant Flows. — W. C. Reynolds, T. Cebeci: Calculation of Turbulent Flows. — B. E. Launder: Heat and Mass Transport. — J. L. Lumley: Two-Phase and Non-Newtonian Flows

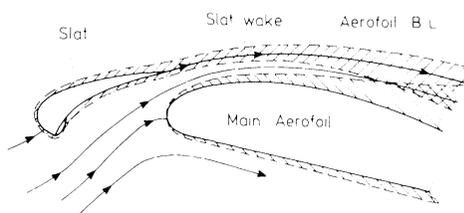
Acknowledging turbulence as the most important fluid dynamic phenomenon in engineering and the earth sciences, the second edition of this well-received monograph both examines and relates the turbulence problems encountered in aeronautics, mechanical and chemical engineering, metallurgy, and oceanography. In addition, methods for calculating turbulent flow fields and heat transfer are discussed in detail. Though each chapter is written by a specialist in his discipline, details concerning hardware are consistently de-emphasized, in order to make the material more accessible to the nonspecialist. The new paperback edition incorporates several minor corrections, supplementary explanations, and a list of updated references cross-listed to appropriate sections in the text.

## Turbulent Shear Flows I

Selected Papers from the First International Symposium on Turbulent Shear Flows, Pennsylvania State University, University Park, Pennsylvania, USA, April 18--20, 1977  
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1979, 256 figures, VIII, 415 pages  
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1979, 380 figures, XXV, 642 pages (163 in German)  
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