

Preface to the Second Edition

Since 1996, when this book first appeared, a number of new experiments and computations have significantly advanced the field. In particular, direct numerical simulations at reasonable Reynolds numbers have started to provide a new and important level of insight into the behavior of compressible turbulent flows. These recent advances provided the primary motivation for preparing a second edition. We have also taken the opportunity to rearrange some of the older material, add some explanatory text, and correct mistakes and omissions. We are particularly grateful to Drs. Sheng Xu and Jonathan Poggie for helping to identify many of these corrections.

Turbulent Shear Layers in Supersonic Flow

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2006, XIV, 410 p. 171 illus., Hardcover

ISBN: 978-0-387-26140-9