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The response to the first three editions of *Modern Compressible Flow: With Historical Perspective*, from students, faculty, and practicing professionals has been overwhelmingly favorable. Therefore, this new edition preserves much of this successful content while adding important new components. It preserves the author's

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informal writing style that talks to the reader, that gains the readers' interest, and makes the study of compressible flow an enjoyable experience. Moreover, it blends the classical nature of the subject with modern aspects of computational fluid dynamics (CFD) and high temperature gas dynamics so important to modern applications of compressible flow. In short, this book is a unique teaching and learning experience.

Modern Compressible Flow, Second Edition, presents the fundamentals of classical compressible flow along with the latest coverage of modern compressible flow dynamics and high-temperature flows. The second edition maintains an engaging writing style and offers philosophical and historical perspectives on the topic. It also continues to offer a variety of problems-providing readers with a practical understanding. The second edition includes the latest developments in the field of modern compressible flow.

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"This is a book on modern compressible flows. In essence, this book presents the fundamentals of classical compressible flow as they have evolved over the past two centuries, but with added emphasis on two new dimensions that have become so important over the

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