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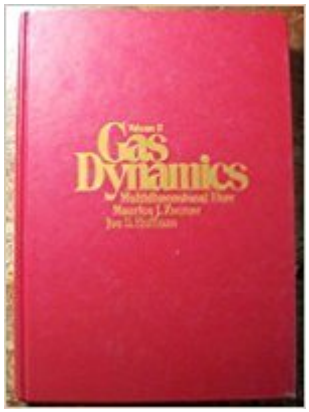

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Synopsis

This book presents a thorough understanding of the physics of flows governed by hyperbolic partial differential equations before introducing numerical solutions for such flows. Numerical methods are then presented for real-world problems involving the flow of both perfect and imperfect gases. Illustrative problems, worked out completely, are presented within each chapter and illustrate the theoretical analyses covered. Aerodynamicists, propulsion engineers, fluid dynamicists, and engineering students will find this book an indispensable reference guide. --This text refers to an out of print or unavailable edition of this title.

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