



## **Aerodynamics for Engineering Students, Seventh Edition**

E. L. Houghton, P. W. Carpenter, Steven Collicott Dept of Aeronautics and Astronautics Purdue University

PhD Stanford University

Associate Fellow American Institute of Aeronautics and Astronautics, Daniel Valentine Ph.D.

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Aerodynamics for Engineering Students, Seventh Edition, is one of the world's leading course texts on aerodynamics. It provides concise explanations of basic concepts, combined with an excellent introduction to aerodynamic theory. This updated edition has been revised with improved pedagogy and reorganized content to facilitate student learning, and includes new or expanded coverage in several important areas, such as hypersonic flow, UAV's, and computational fluid dynamics.

- Provides contemporary applications and examples that help students see the link between everyday physical examples of aerodynamics and the application of aerodynamic principles to aerodynamic design
- Contains MATLAB-based computational exercises throughout, giving students practice in using industrystandard computational tools
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