

Contents

Preface	v
1 The Basic Equations	1
2 Elementary One-Dimensional Flow	33
3 Two- and Three-Dimensional Subsonic Flow	83
4 Two- and Three-Dimensional Steady Supersonic Flow	133
5 Unsteady One-Dimensional Flow	201
6 Transonic Flow	247
7 Laminar Boundary Layers	294
8 Turbulent Boundary Layers	348
9 Real Gas Effects	406
10 Computational Methods	461
References	506
Problems	516
Appendix	533
Index	571