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| Nota di contenuto       | <p>""Cover""; ""Title""; ""Copyright""; ""Foreword""; ""Table of Contents""; ""Preface""; ""Chapter 1. Fundamentals of Combustion""; ""1.1 Introduction""; ""1.2 Chemistry""; ""1.3 Thermodynamics""; ""1.4 Gasdynamics and Diffusion Processes""; ""1.5 Combustion Parameters""; ""1.6 Jet Fuels""; ""1.7 Summary""; ""Chapter 2. Afterburners""; ""2.1 Introduction""; ""2.2 Diffuser""; ""2.3 Fuel Injection, Atomization, and Vaporization""; ""2.4 Ignition""; ""2.5 Stabilization Process""; ""2.6 Flame Spread in Premixed and Homogeneous Fuel-Air Mixtures""; ""2.7 Nozzle and Fuel Control Systems""</p> <p>""2.8 Complete Afterburner Systems""""2.9 Combustion Instabilities""; ""Chapter 3. Axial Flow Compressor Aerodynamics""; ""3.1 Introduction""; ""3.2 Axial Flow Compressor Nomenclature and Terminology""; ""3.3 Characteristics of the Flow in Axial Flow Compressor Configurations""; ""3.4 Aerodynamic Design Objectives for Axial Flow Compressor Units""; ""3.5 Elements of a Compressor Design Systema€?Technical Requirements""; ""3.6 Content of Current and Developing Design Systemsa€? The Technology Base""; ""3.7 Component and Configuration Experimental Development""</p> |

""3.8 Axial Flow Compressor Performance Trends""Chapter 4. Turbine Aerodynamics""; ""4.1 Introduction""; ""4.2 Turbine Airfoil Characteristics""; ""4.3 Design Considerations""; ""4.4 Performance""; ""4.5 Profile Aerodynamics""; ""4.6 End Wall Aerodynamics""; ""4.7 Parasitic Loss""; ""4.8 Structural Excitation""; ""4.9 Stage Performance""; ""4.10 Looking Ahead""; ""4.11 Looking Backa€?Developments Since 1977""; ""Chapter 5. Turbine Cooling""; ""5.1 Introduction""; ""5.2 Cooling Design Problem""; ""5.3 Airfoil Cooling""; ""5.4 End Wall Cooling""; ""5.5 Conclusions""; ""5.6 Recent Advances""  
""Chapter 6. Computation of Turbomachinery Boundary Layers""6.1 Introduction""; ""6.2 Two-Dimensional or Axisymmetric Boundary Layers""; ""6.3 Three-Dimensional Boundary Layers""; ""6.4 Boundary-Layer Separation""; ""6.5 Turbulence Models""; ""6.6 Conclusion""; ""Chapter 7. Engine Noise""; ""7.1 Introduction""; ""7.2 Scales and Ratings for Noise""; ""7.3 Introduction to Acoustics of Ducts""; ""7.4 Compressor and Fan Noise""; ""7.5 Turbine Noise""; ""7.6 Core Noise""; ""7.7 Acoustic Treatment""; ""7.8 Conclusions and Future Prospects""; ""Subject Index""; ""A""; ""B""; ""C""; ""D""; ""E""  
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