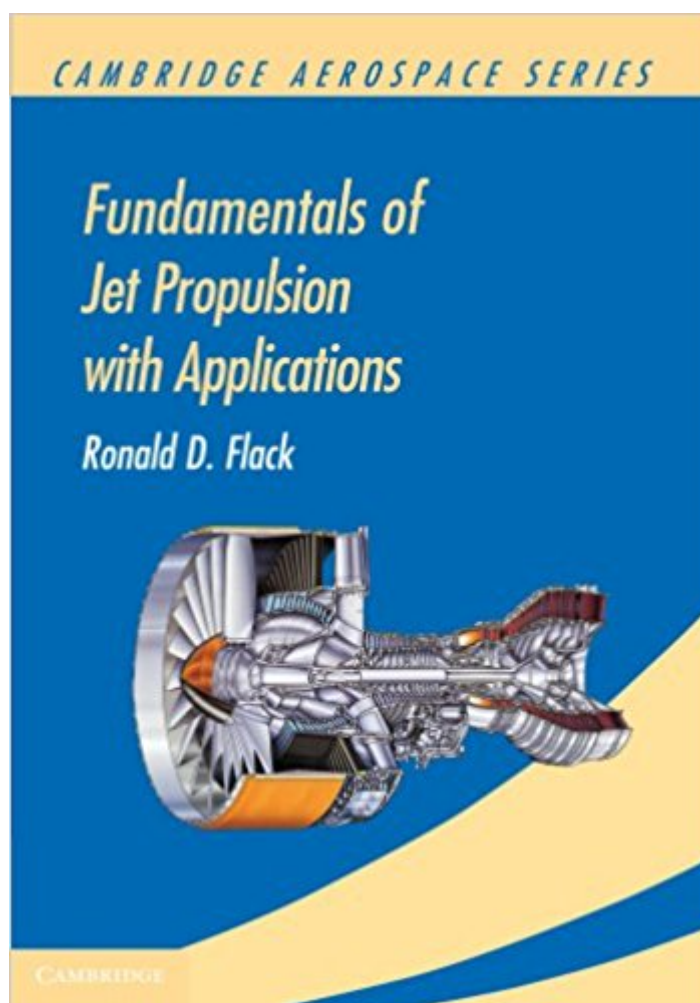


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Fundamentals Of Jet Propulsion With Applications (Cambridge Aerospace Series)



Synopsis

Fundamentals of Jet Propulsion with Applications is an introductory text in air-breathing jet propulsion including ramjets, turbojets, turbofans, and propjets. Aimed at upper-level undergraduate and graduate students, the book provides coverage of the basic operating principles, from cycle analysis through component design and system matching. A basic understanding of fluid mechanics and thermodynamics is assumed, although many principles are thoroughly reviewed. Numerous examples and nearly 300 homework problems based on modern engines make this book an ideal teaching tool, as well as a valuable reference for practicing engineers. A CD included with the book contains example files and software to support the text.

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'... This reviewer said of the first edition of this book that 'it deserves to be used wherever aircraft propulsion is taught'; and should enjoy a long and useful life. It is therefore now a pleasure to welcome the second edition ... Like the first edition, this book is highly recommended to all interested in the concepts and design issues of modern jet engines ...'. The Aeronautical Journal
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Fundamentals and Applications of Jet Propulsion is an introductory text in air-breathing jet propulsion. Coverage moves from cycle analysis through component design and system matching. Directed at upper-level undergraduate and graduate students, the book assumes a basic

understanding of fluid mechanics and thermodynamics is assumed, although many principles are thoroughly reviewed. Numerous examples and nearly 300 homework problems based on modern engines make this book an ideal teaching tool, as well as a valuable reference for practising engineers. A CD included with the book contains example files and software.

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