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Fundamentals of Jet Propulsion with Applications is an introductory text in air-breathing jet propulsion including ramjets, turbojets, turbofans and propjets. It provides coverage of the basic operating principles, from cycle analysis through component design and system matching. The book is directed at upper-level undergraduate and graduate students and 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 to support the text.