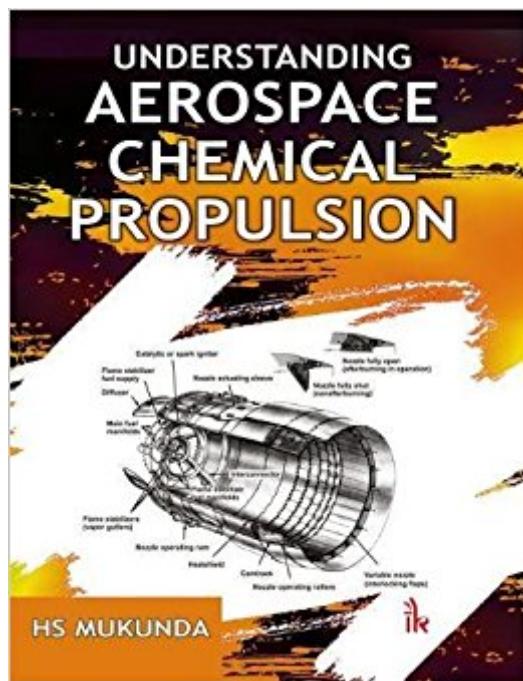


The book was found

Understanding Aerospace Chemical Propulsion



Synopsis

Understanding Aerospace Chemical Propulsion is concerned with aeronautical and space chemical propulsion. The book seeks to provide understanding of the propulsion systems through (a) illustrative description of the systems, (b) analysis of modeled systems, (c) examination of the performance of real systems in this light, and (d) provide a comparative assessment of aeronautical and space propulsion system elements wherever relevant. It has eleven chapters covering introduction, specifications, efficiencies, thermos- and gas dynamics, propulsion system analysis, aero-system elements, fuels and performance, rocket combustion process, solid and liquid propulsion systems and combustion instability. Engineers beginning their career in the aerospace industry would benefit from reading this book. Senior engineers overseeing more than one group could revisit the fundamental ideas and reconnect with specific tasks. Salient Features: Covers chemical propulsion as applied in aerospace in a detailed and comprehensive manner, making it a stand-alone text. Gives comparison of air breathing and non-air breathing engines, and utilizes data pertaining to both these type of engines for critical appraisal. The text is supplemented with well-labelled diagrams at every possible instance, making the topics accessible in a better manner. The mathematical equations have been well explained and derived in a step-by-step manner.

Book Information

Paperback: 580 pages

Publisher: I K International Publishing House (January 25, 2017)

Language: English

ISBN-10: 9385909428

ISBN-13: 978-9385909429

Product Dimensions: 9.4 x 1 x 7 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,380,146 in Books (See Top 100 in Books) #122 in Books > Engineering & Transportation > Engineering > Aerospace > Propulsion Technology #716 in Books > Engineering & Transportation > Engineering > Aerospace > Astronautics & Space Flight #1739 in Books > Science & Math > Astronomy & Space Science > Aeronautics & Astronautics

Customer Reviews

Professor H.S. Mukunda has done frontier work in combustion and aerospace propulsion. In this book, he brings in a fundamental approach to understanding the subject embellished by his long

standing close involvement in the development of several aerospace propulsion systems (please see the preliminary pages for a detailed profile of Professor Mukunda).

[Download to continue reading...](#)

Theory of Aerospace Propulsion, Second Edition (Aerospace Engineering) Theory of Aerospace Propulsion (Aerospace Engineering) Understanding Aerospace Chemical Propulsion Secrets of Antigravity Propulsion: Tesla, UFOs, and Classified Aerospace Technology Aerospace Propulsion Systems Mechanics and Thermodynamics of Propulsion (Addison-Wesley Series in Aerospace Science) Fundamentals of Jet Propulsion with Applications (Cambridge Aerospace Series) Aerospace Propulsion Solvent Effects and Chemical Reactivity (Understanding Chemical Reactivity) Contemporary Theory of Chemical Isomerism (Understanding Chemical Reactivity) Nanotechnology: Understanding Small Systems, Third Edition (Mechanical and Aerospace Engineering Series) Nanotechnology: Understanding Small Systems, Second Edition (Mechanical and Aerospace Engineering Series) Fluid Mechanics for Chemical Engineers (McGraw-Hill Chemical Engineering) Unit Operations of Chemical Engineering (7th edition)(McGraw Hill Chemical Engineering Series) Fluid Mechanics for Chemical Engineers (UK Higher Education Engineering Chemical Engineering) Introduction to Chemical Engineering Thermodynamics (The McGraw-Hill Chemical Engineering Series) Fundamentals of Chemical Engineering Thermodynamics (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Advances in Chemical Physics, Volume 15: Stochastic Processes in Chemical Physics (v. 15) Healing Severe Chemical and EMF Sensitivity: Our Breakthrough Cure for Multiple Chemical Sensitivities (MCS) and Electro-hypersensitivity (EHS) Basic Principles and Calculations in Chemical Engineering (8th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)