



Ebook Directory
the best source of ebook

The book was found

The Jet Engine



Synopsis

The Jet Engine provides a complete, accessible description of the working and underlying principles of the gas turbine. Accessible, non-technical approach explaining the workings of jet engines, for readers of all levels Full colour diagrams, cutaways and photographs throughout Written by RR specialists in all the respective fields Hugely popular and well-reviewed book, originally published in 2005 under Rolls Royce's own imprint

Book Information

Paperback: 288 pages

Publisher: Wiley; 5 edition (July 20, 2015)

Language: English

ISBN-10: 1119065992

ISBN-13: 978-1119065999

Product Dimensions: 9 x 0.8 x 11.3 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #176,067 in Books (See Top 100 in Books) #13 in Books > Engineering & Transportation > Engineering > Aerospace > Propulsion Technology #106 in Books > Textbooks > Engineering > Aeronautical Engineering #259 in Books > Science & Math > Astronomy & Space Science > Aeronautics & Astronautics

Customer Reviews

This book has an awesome collection of information, spans the breadth of jet engine technology and has a fantastic collection of pictures. I like the strategy of starting off with some history and discussing the main aspects of design and finally covering each jet engine component in more detail. Over all, this book does an excellent job of covering the necessary details without becoming too textbookish. What really makes it hard to read is the poor editing, repeated redundant information and unnecessary pictures that do not add value. To give an example of a random picture to fill out space, take for example the chapter on performance, Pg 78, there is a useless picture of 5 identical planes flying in formation. Every other picture (not referenced which is very irksome) is a performance map. Most figures are not numbered or referenced, so if you were reading your first jet engine book, you would be frustrated because you would find it difficult to easily grasp things. If you find CFD images or contour plots, they do not mention what is being plotted, for example in page 172, the picture is titled 'flow field analysis of a cavity in an internal system', there

is no indication of what physical quantity is being displayed, how the colors map to magnitudes, making this picture meaningless! An example of a conceptual mistake (IMO) is on page 14, the author says " When the nozzle is choked V_{jet} is fixed at Mach 1" where V_{jet} is the exit gas flow speed in the equation $(F = W(V_{jet} - V_{flight}) + A(\rho_{exit} - \rho_{inlet}))$. There are two things wrong here:- V_{jet} is velocity and not the dimensionless Mach number- When a jet engine nozzle gets choked, it is the Mach number at the throat that is Mach 1 and in usual operating conditions, the nozzle exit Mach number is supersonic (about 2). This blunder early on and several others makes it really difficult to trust what the author has to say later. My advice to the publishers and editors: Most people who will buy this book and pay \$70 for it will mostly be aviation enthusiasts or Aerospace engineers (like myself) that hope to add an excellent book to their collection. We already know a good portion of the information and it is difficult to get through the book in its present form. Therefore, in future revisions, please do the following:- Revisit the information to make sure you have all the facts right, especially concepts- Remove unnecessary pictures, instead elaborate on the existing information, make it more readable and add references to pictures.

The product was good

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

99 F-16's - US Airforce Fighter Jet Aircraft Pictures, USAF F-16 Fighter Jet Planes photo book. Jet Propulsion: A Simple Guide to the Aerodynamics and Thermodynamic Design and Performance of Jet Engines Start Your Own Zine: Jet Lambert's Gumption Guides: Everything You Need to Know to Put it Into Print (Jet Lambert Gumption Guide) Thomas and the Jet Engine (Thomas and Friends) The Jet Engine Pegasus, The Heart of the Harrier: The History and Development of the World's First Operational Vertical Take-off and Landing Jet Engine Rolls-Royce Merlin Manual - 1933-50 (all engine models): An insight into the design, construction, operation and maintenance of the legendary World War 2 aero engine (Owners' Workshop Manual) Modern Engine Blueprinting Techniques: A Practical Guide to Precision Engine Building (Pro) Marine Diesel Engine Basics A Beginner's Guide to Marine Diesel Engine Maintenance The Easy-to-Read Little Engine that Could (The Little Engine That Could) The Little Book on Digital Marketing SEO - Search Engine Optimization: Tips and tricks for keyword research in SEO or Search Engine Optimization SEO Made Simple (second edition): Search Engine Optimization Strategies For Dominating The World's Largest Search Engine Small Engine Repair - Quick and Simple Tips to Get Your Small Engine Running Again How To Build A Steam Engine: Build a Steam Engine from Scratch - Full Beginners Guide with Drawings - Easy to understand - Mostly hand tools - Small amount of lathe

work - Many built already They Made America: From the Steam Engine to the Search Engine: Two Centuries of Innovators Jet City Rewind: Aviation History of Seattle and the Pacific Northwest Jet Fighters Inside Out Aircraft: The Jet as Art The Jet Alphabet Book Air Disaster 2: The Jet Age

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)