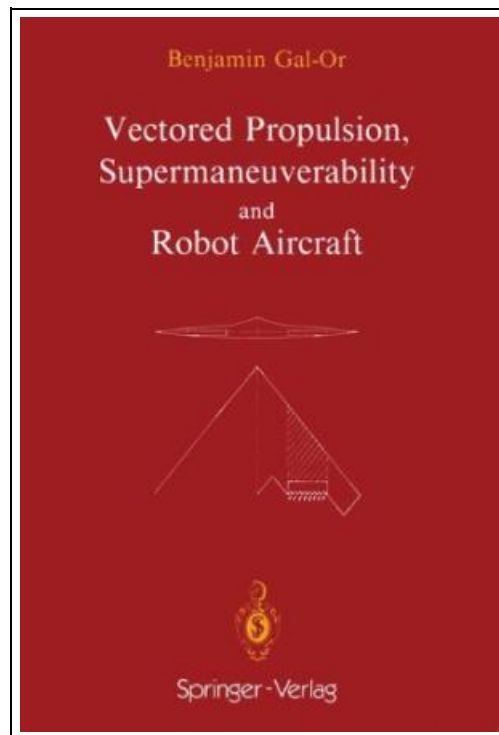


Vectored Propulsion, Supermaneuverability and Robot Aircraft



Filesize: 9.69 MB

Reviews

Very good e-book and useful one. It is actually rally fascinating throgh studying period. I found out this publication from my i and dad recommended this ebook to understand.

(Kassandra Ledner)

VECTORED PROPULSION, SUPERMANEUVERABILITY AND ROBOT AIRCRAFT

[DOWNLOAD](#)


Condition: New. Publisher/Verlag: Springer, Berlin | This book is designed to fill a professional vacuum in the new field of advance, high-angle, vectored stealth aircraft. The subject matter presented in the volume has never before been investigated and presented as a unified field of study because it covers entirely new fields and because specialized fragments of this unified field are scattered throughout literature in specific problems. The book is of interest to aeronautical and mechanical engineers, electrical and control engineers, aerospace industry, USAF, US Navy, NASA, pilots and instructors. | Preface.- Acknowledgements.- Glossary and Notation.- The main problems of thrust-vectored maneuverability - Vectored Aircraft: Breaking the "Stall Barrier" - The New Standard Technology - Civil Applications.- Soviet and Western Concepts - Research tools - Cold propulsion - The Fundamental Definitions of Pure Vectored Aircraft (PVA).- Pure Sideslip Maneuvers (PSM) - Combat Applications -.- Partially-Vectored Aircraft.- Agility, Supermaneuverability and Supercontrollability.- Load factors.- "Energy" Vs. "Angles" Fights - Time Lags -.- The Overall Combat Picture.- Minimum Time Turns - Low Observability - Stealth RPVs.- The Time Gaps.- New Educational Shifts.- Concluding Remarks.- Lecture I: Fundamental Concepts Revisited and Redefined.- New Missions and Modified Design Trends.- Early Conceptual Design Limitations.- Internal Thrust Vectoring.- Engine Nozzle Redefined.- Performance Comparisons.- Subsonic Yaw-Pitch-Roll Thrust Vectoring.- Lecture II: Vectored Aircraft and Supermaneuverability.- Yaw-Pitch Vectoring and Supercirculation.- Pure Jetborne Flight Control.- STOL or V/STOL Vectored Aircraft.- Dimensionless Numbers for Pure Vectored Aircraft.- Emergency Landing.- Air-to-Air Operations.- Air-to-Ground Operations.- Propulsion and Supermaneuverability.- Maneuver Analysis.- Controllability Limits.- High-Alpha Flight Envelopes.- The Non-Availability of a "Vectored Inlet".- Lecture III: The Matrix of Unknown Variables of Vectored Aircraft.- Reservations and Precautions.- Technology Limits.- Cooling Limits.- Nozzle Aspect Ratio Limits.- Aerodynamic Effects.- Nozzle Coefficients Revisited.- Thrust Vectoring Range.- Induced drag and Supercirculation.- Lecture IV: Vectored Aircraft as R&D Tools, or as Super-Agile Robotic...



[Read Vectored Propulsion, Supermaneuverability and Robot Aircraft Online](#)
[Download PDF Vectored Propulsion, Supermaneuverability and Robot Aircraft](#)

Relevant Books



El Desaf

B&H Espanol. Paperback. Book Condition: New. Paperback. 256 pages. Dimensions: 8.4in. x 5.4in. x 0.8in. Los autores del xito de librera El Desafío del Amor para matrimonios han creado El Desafío del Amor para Padres, una...

[Save](#) [PDF](#)

»



The genuine book marketing case analysis of the the lam light. Yin Qihua Science Press 21.00(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2007-01-01 Pages: 244 Publisher: Science Press Welcome Our service and quality...

[Save](#) [PDF](#)

»



YJ] New primary school language learning counseling language book of knowledge [Genuine Specials(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2011-03-01 Pages: 752 Publisher: Jilin University Shop Books All the new...

[Save](#) [PDF](#)

»



Vanishing Point ("24" Declassified)

Pocket Books, 2007. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving your order....

[Save](#) [PDF](#)

»



Cat's Claw ("24" Declassified)

Pocket Books, 2007. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving your order....

[Save](#) [PDF](#)

»