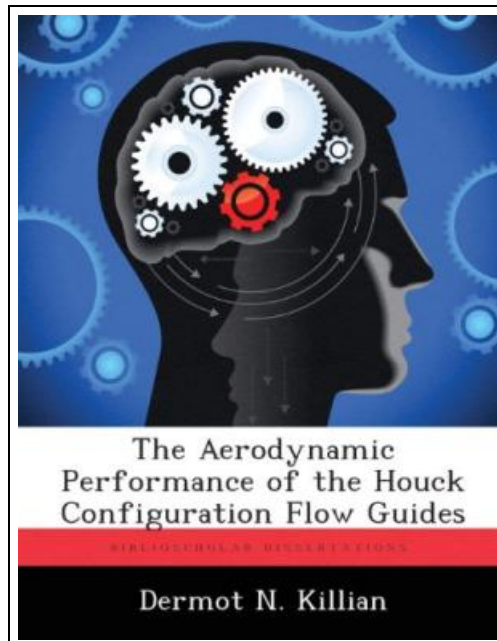


The Aerodynamic Performance of the Houck Configuration Flow Guides (Paperback)



Filesize: 7.83 MB

Reviews

A must buy book if you need to adding benefit. It can be rally exciting through reading time. I am pleased to let you know that this is the greatest publication we have read through during my very own life and may be he best publication for possibly.
(Mr. Kade Rippin)

THE AERODYNAMIC PERFORMANCE OF THE HOUCK CONFIGURATION FLOW GUIDES (PAPERBACK)

DOWNLOAD



To get **The Aerodynamic Performance of the Houck Configuration Flow Guides (Paperback)** PDF, remember to access the button beneath and download the document or gain access to other information which might be in conjunction with THE AERODYNAMIC PERFORMANCE OF THE HOUCK CONFIGURATION FLOW GUIDES (PAPERBACK) ebook.

Bibloscholar, United States, 2012. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.In an effort to explore efficient wing designs for UAV s, the Air Force is investigating the patented Houck Aircraft Configuration, which is a joined-wing aircraft with curved flow guides of varying camber connecting the upper and lower wingtips. Models were drawn in three-dimensions using Solidworks with upper and lower wings drawn as identical NACA 2412 airfoil sections for all models. A variety of airfoil sections between the upper and lower wingtips were drawn and rotated to achieve a combination of cant and angle of attack variation. Subsequently, a solid part was lofted through these sections and merged with the upper and lower wings. Each model was built by a rapid prototype machine. A six-component balance in the AFIT low-speed wind tunnel provided measurements yielding the aerodynamic data of each model. Comparisons are made to the same basic planform area without flow guides and to a case where the wingtips are joined with a flat plate. At a Reynolds number of 38K, the increase in skin friction drag outweighed any possible reduction of induced drag. However for Reynolds numbers in the 57K to 120K range, improvements in L/D_{max} of about 2-5 over the no flow guide case were measured.



[Read The Aerodynamic Performance of the Houck Configuration Flow Guides \(Paperback\) Online](#)



[Download PDF The Aerodynamic Performance of the Houck Configuration Flow Guides \(Paperback\)](#)



[Download ePub The Aerodynamic Performance of the Houck Configuration Flow Guides \(Paperback\)](#)

Other eBooks



[PDF] **Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]**

Access the link listed below to download "Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]" PDF file.

[Read eBook »](#)



[PDF] **A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half**

Access the link listed below to download "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half" PDF file.

[Read eBook »](#)



[PDF] **On the seventh grade language - Jiangsu version supporting materials - Tsinghua University Beijing University students efficient learning**

Access the link listed below to download "On the seventh grade language - Jiangsu version supporting materials - Tsinghua University Beijing University students efficient learning" PDF file.

[Read eBook »](#)



[PDF] **Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products**

Access the link listed below to download "Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products" PDF file.

[Read eBook »](#)



[PDF] **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Access the link listed below to download "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications ." PDF file.

[Read eBook »](#)



[PDF] **Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)**

Access the link listed below to download "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)" PDF file.

[Read eBook »](#)

**[PDF] Growing Up: From Baby to Adult High Beginning Book with Online Access**

Access the hyperlink below to download "Growing Up: From Baby to Adult High Beginning Book with Online Access" PDF file.

[Save Document »](#)

**[PDF] Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)**

Access the hyperlink below to download "Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)" PDF file.

[Save Document »](#)

**[PDF] Johnny Goes to First Grade: Bedtime Stories Book for Children s Age 3-10. (Good Night Bedtime Children s Story Book Collection)**

Access the hyperlink below to download "Johnny Goes to First Grade: Bedtime Stories Book for Children s Age 3-10. (Good Night Bedtime Children s Story Book Collection)" PDF file.

[Save Document »](#)

**[PDF] The Preschool Church Church School Lesson for Three to Five Year Olds by Eve Parker 1996 Paperback**

Access the hyperlink below to download "The Preschool Church Church School Lesson for Three to Five Year Olds by Eve Parker 1996 Paperback" PDF file.

[Save Document »](#)

**[PDF] California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Access the hyperlink below to download "California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package" PDF file.

[Save Document »](#)

**[PDF] Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners**

Access the hyperlink below to download "Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners" PDF file.

[Save Document »](#)