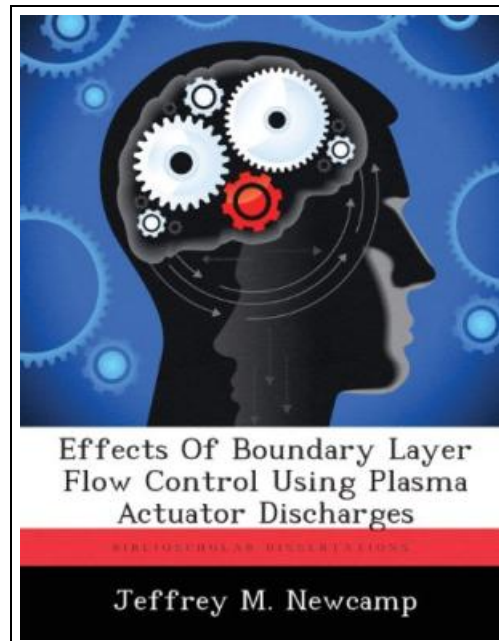


Effects of Boundary Layer Flow Control Using Plasma Actuator Discharges (Paperback)



Filesize: 3.92 MB

Reviews

This ebook is indeed gripping and fascinating. it had been writtern really properly and helpful. I am very easily could possibly get a satisfaction of reading a published publication.

(Maude Ritchie)

EFFECTS OF BOUNDARY LAYER FLOW CONTROL USING PLASMA ACTUATOR DISCHARGES (PAPERBACK)

DOWNLOAD



To save **Effects of Boundary Layer Flow Control Using Plasma Actuator Discharges (Paperback)** PDF, make sure you click the hyperlink listed below and download the ebook or gain access to other information which are highly relevant to EFFECTS OF BOUNDARY LAYER FLOW CONTROL USING PLASMA ACTUATOR DISCHARGES (PAPERBACK) book.

Bibloscholar, United States, 2012. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.This study addresses the usage and effects of atmospheric plasma discharges on the near wall flow conditions for a Pak-B low-pressure turbine blade. A plasma actuator was built normal to the freestream flow in a low-speed wind tunnel. The test section of the wind tunnel had a contoured upper wall geometry designed to mimic the suction side of a Pak-B turbine blade. A high frequency ac voltage source supplied three voltages in the kilovolt range at four Reynolds numbers in the experiment, between 10,000 and 103,000. The effect of the plasma on the near-wall boundary layer conditions was evaluated at each of the Reynolds numbers and each of the three voltage levels. Particle image velocimetry (PIV) was used to determine the 2D boundary layer characteristics of the flow. This research showed that the plasma discharges were able to dramatically increase the flow velocity near the wall; however, the plasma was unable to reattach an already detached boundary layer. Additionally, multiple manufacturing techniques were evaluated in an effort to make the electrodes more usable in turbine blade applications.



[Read Effects of Boundary Layer Flow Control Using Plasma Actuator Discharges \(Paperback\) Online](#)



[Download PDF Effects of Boundary Layer Flow Control Using Plasma Actuator Discharges \(Paperback\)](#)



[Download ePub Effects of Boundary Layer Flow Control Using Plasma Actuator Discharges \(Paperback\)](#)

Related eBooks



[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)

Follow the link under to download and read "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)" document.

[Download Book >](#)



[PDF] No Friends?: How to Make Friends Fast and Keep Them

Follow the link under to download and read "No Friends?: How to Make Friends Fast and Keep Them" document.

[Download Book >](#)



[PDF] How to Make a Free Website for Kids

Follow the link under to download and read "How to Make a Free Website for Kids" document.

[Download Book >](#)



[PDF] Read Write Inc. Phonics: Blue Set 6 Non-Fiction 2 How to Make a Peach Treat

Follow the link under to download and read "Read Write Inc. Phonics: Blue Set 6 Non-Fiction 2 How to Make a Peach Treat" document.

[Download Book >](#)



[PDF] Speak Up and Get Along!: Learn the Mighty Might, Thought Chop, and More Tools to Make Friends, Stop Teasing, and Feel Good about Yourself

Follow the link under to download and read "Speak Up and Get Along!: Learn the Mighty Might, Thought Chop, and More Tools to Make Friends, Stop Teasing, and Feel Good about Yourself" document.

[Download Book >](#)



[PDF] Passive Income: Ultimate 8 Ways to Make 0-k a Month in 60 Days

Follow the link under to download and read "Passive Income: Ultimate 8 Ways to Make 0-k a Month in 60 Days" document.

[Download Book >](#)



[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)

Follow the link under to download and read "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.

[Read ePub »](#)



[PDF] 10 Most Interesting Stories for Children: New Collection of Moral Stories with Pictures

Follow the link under to download and read "10 Most Interesting Stories for Children: New Collection of Moral Stories with Pictures" PDF file.

[Read ePub »](#)



[PDF] Oxford Reading Tree TreeTops Chucklers: Level 10: The After-School Alien Club

Follow the link under to download and read "Oxford Reading Tree TreeTops Chucklers: Level 10: The After-School Alien Club" PDF file.

[Read ePub »](#)



[PDF] The Wolf Who Wanted to Change His Color My Little Picture Book

Follow the link under to download and read "The Wolf Who Wanted to Change His Color My Little Picture Book" PDF file.

[Read ePub »](#)



[PDF] Monkeys Learn to Move: Puppet Theater Books Presents Funny Illustrated Bedtime Picture Values Book for Ages 3-8

Follow the link under to download and read "Monkeys Learn to Move: Puppet Theater Books Presents Funny Illustrated Bedtime Picture Values Book for Ages 3-8" PDF file.

[Read ePub »](#)



[PDF] Read Write Inc. Phonics: Yellow Set 5 Storybook 10 the Foolish Witch

Follow the link under to download and read "Read Write Inc. Phonics: Yellow Set 5 Storybook 10 the Foolish Witch" PDF file.

[Read ePub »](#)