

Large Engine Technology Program: Task 22: Variable Geometry Concepts for Rich-Quench-Lean Combustors



Filesize: 7.65 MB

Reviews

Very useful to any or all group of folks. It really is rally interesting throgh reading through period of time. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Mrs. Dorris Wintheiser)

LARGE ENGINE TECHNOLOGY PROGRAM: TASK 22: VARIABLE GEOMETRY CONCEPTS FOR RICH-QUENCH-LEAN COMBUSTORS

[DOWNLOAD](#)

To read **Large Engine Technology Program: Task 22: Variable Geometry Concepts for Rich-Quench-Lean Combustors** PDF, please access the link below and download the ebook or gain access to additional information which might be in conjunction with LARGE ENGINE TECHNOLOGY PROGRAM: TASK 22: VARIABLE GEOMETRY CONCEPTS FOR RICH-QUENCH-LEAN COMBUSTORS book.

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 136 pages. Dimensions: 9.7in. x 7.4in. x 0.3in. The objective of the task reported herein was to define, evaluate, and optimize variable geometry concepts suitable for use with a Rich-Quench-Lean (RQL) combustor. The specific intent was to identify approaches that would satisfy High Speed Civil Transport (HSCT) cycle operational requirements with regard to fuel-air ratio turndown capability, ignition, and stability margin without compromising the stringent emissions, performance, and reliability goals that this combustor would have to achieve. Four potential configurations were identified and three of these were refined and tested in a high-pressure modular RQL combustor rig. The tools used in the evolution of these concepts included models built with rapid fabrication techniques that were tested for airflow characteristics to confirm sizing and airflow management capability, spray patternation, and atomization characterization tests of these models and studies that were supported by Computational Fluid Dynamics analyses. Combustion tests were performed with each of the concepts at supersonic cruise conditions and at other critical conditions in the flight envelope, including the transition points of the variable geometry system, to identify performance, emissions, and operability impacts. Based upon the cold flow characterization, emissions results, acoustic behavior observed during the tests and consideration of mechanical, reliability, and implementation issues, the tri-swirler configuration was selected as the best variable geometry concept for incorporation in the RQL combustor evolution efforts for the HSCT. This item ships from La Vergne, TN. Paperback.



[Read Large Engine Technology Program: Task 22: Variable Geometry Concepts for Rich-Quench-Lean Combustors Online](#)



[Download PDF Large Engine Technology Program: Task 22: Variable Geometry Concepts for Rich-Quench-Lean Combustors](#)



[Download ePub Large Engine Technology Program: Task 22: Variable Geometry Concepts for Rich-Quench-Lean Combustors](#)

Related Books



[PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Access the web link under to download and read "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" file.

[Download eBook »](#)



[PDF] From Here to Paternity

Access the web link under to download and read "From Here to Paternity" file.

[Download eBook »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Access the web link under to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" file.

[Download eBook »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Access the web link under to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" file.

[Download eBook »](#)



[PDF] Some of My Best Friends Are Books : Guiding Gifted Readers from Preschool to High School

Access the web link under to download and read "Some of My Best Friends Are Books : Guiding Gifted Readers from Preschool to High School" file.

[Download 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 web link under to download and read "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 ." file.

[Download eBook »](#)

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

Click the web link under to download "The Preschool Church Church School Lesson for Three to Five Year Olds by Eve Parker 1996 Paperback" file.

[Save PDF »](#)

**[PDF] Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback**

Click the web link under to download "Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback" file.

[Save PDF »](#)

**[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)**

Click the web link under 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)" file.

[Save PDF »](#)

**[PDF] Runners World Guide to Running and Pregnancy How to Stay Fit Keep Safe and Have a Healthy Baby by Chris Lundgren 2003 Paperback Revised**

Click the web link under to download "Runners World Guide to Running and Pregnancy How to Stay Fit Keep Safe and Have a Healthy Baby by Chris Lundgren 2003 Paperback Revised" file.

[Save PDF »](#)

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

Click the web link under to download "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half" file.

[Save PDF »](#)

**[PDF] Read Write Inc. Phonics: Grey Set 7 Storybook 1 Rex to the Rescue**

Click the web link under to download "Read Write Inc. Phonics: Grey Set 7 Storybook 1 Rex to the Rescue" file.

[Save PDF »](#)