

Multi-D Cfd Modeling of a Free-Piston Stirling Convertor at NASA Glenn



Multi-D CFD Modeling of a
Free-Piston Stirling
Convertor at NASA Glenn

NASA Technical Reports Server
(NTRS), et al., Scott D. Wilson

Filesize: 4.29 MB

Reviews

These kinds of publication is the ideal pdf offered. It generally is not going to expense too much. I am just delighted to let you know that this is actually the very best book i have go through inside my very own life and might be he finest ebook for ever.

(Mabelle Schoen)

MULTI-D CFD MODELING OF A FREE-PISTON STIRLING CONVERTOR AT NASA GLENN

[DOWNLOAD](#)

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. A high efficiency Stirling Radioisotope Generator (SRG) is being developed for possible use in long duration space science missions. NASA's advanced technology goals for next generation Stirling convertors include increasing the Carnot efficiency and percent of Carnot efficiency. To help achieve these goals, a multidimensional Computational Fluid Dynamics (CFD) code is being developed to numerically model unsteady fluid flow and heat transfer phenomena of the oscillating working gas inside Stirling convertors. Simulations of the Stirling convertors for the SRG will help characterize the thermodynamic losses resulting from fluid flow and heat transfer between the working gas and solid walls. The current CFD simulation represents approximated 2-dimensional convertor geometry. The simulation solves the Navier Stokes equations for an ideal helium gas oscillating at low speeds. The current simulation results are discussed. This item ships from La Vergne, TN. Paperback.

[Read Multi-D Cfd Modeling of a Free-Piston Stirling Convertor at NASA Glenn Online](#)[Download PDF Multi-D Cfd Modeling of a Free-Piston Stirling Convertor at NASA Glenn](#)

Other PDFs



The Red Leather Diary: Reclaiming a Life Through the Pages of a Lost Journal (P.S.)

Harper Perennial. PAPERBACK. Book Condition: New. 0061256781 Never Read-12+ year old Paperback book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy-...

[Download PDF »](#)



Jack Drummond s Christmas Present: Adventure Series for Children Ages 9-12

Createspace, United States, 2013. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.A very warm welcome to Jack Drummond s Christmas Present, the sixth book...

[Download PDF »](#)



Read Write Inc. Phonics: Purple Set 2 Storybook 9 Billy the Kid

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (Illustrator). 203 x 131 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Download PDF »](#)



Books for Kindergarteners: 2016 Children's Books (Bedtime Stories for Kids) (Free Animal Coloring Pictures for Kids)

2015. PAP. Book Condition: New. New Book. Delivered from our US warehouse in 10 to 14 business days. THIS BOOK IS PRINTED ON DEMAND. Established seller since 2000.

[Download PDF »](#)



Scratch 2.0 Programming for Teens

Cengage Learning, Inc, United States, 2014. Paperback. Book Condition: New. 2nd Revised edition. 230 x 186 mm. Language: English . Brand New Book. With Scratch 2.0, getting started in computer programming is easier and more...

[Download PDF »](#)



The Tale of Jemima Puddle-Duck - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, The Tale of Jemima Puddle-Duck - Read it Yourself with Ladybird: Level 2, This is a gentle adaptation of the classic tale by Beatrix Potter. Jemima

[Download Document »](#)



Finally Free

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. 216 x 140 mm. Language: English . Brand New Book ***** Print on Demand *****.Its been four years since Malakais death, and Kinara couldnt

[Download Document »](#)



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers

[Download Document »](#)



The Wolf Watchers: A Story of Survival (Born Free Wildlife Books)

Templar Publishing, 1998. Paperback. Book Condition: New. Shipped from the UK within 2 business days of order being placed.

[Download Document »](#)



Dom's Dragon - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Dom's Dragon - Read it Yourself with Ladybird: Level 2, Mandy Ross, One day, Dom finds a little red egg and soon he is the owner

[Download Document »](#)