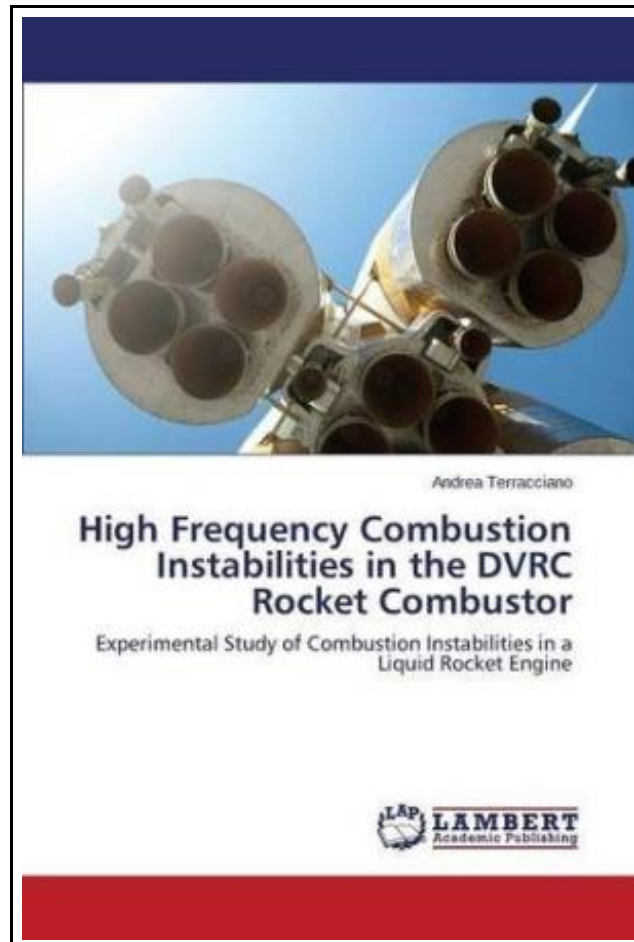


High Frequency Combustion Instabilities in the DVRC Rocket Combustor



Filesize: 2.64 MB

Reviews

*A superior quality book and also the font employed was fascinating to learn. I could possibly comprehended almost everything using this created e publication. You wont sense monotony at at any time of your respective time (that's what catalogs are for about should you ask me).
(Lucile Morissette)*

HIGH FREQUENCY COMBUSTION INSTABILITIES IN THE DVRC ROCKET COMBUSTOR



LAP Lambert Academic Publishing Jan 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x12 mm. Neuware - This experimental work regards the studies of the high frequency combustion instabilities inside the DVRC (Discretely Variable Resonance Combustor), a liquid rocket engine, developed by the Purdue University at M. J. Zucrow Laboratories, on behalf of Nasa Marshall Space Flight Center. The research revealed that, given these specific flow conditions, combustion instability occurs inside the system during hot fire tests. The most important experimental result of the study showed the oxidizer manifold acting as a damper of the pressure oscillations coming from the combustion chamber and how this can represent an advantage in terms of reduced mechanical loads at the interface with the rest of the feed system. The LEE code based on the linearized Euler equations detected both the combustion instability inside the DVRC and confirmed the positive role of the oxidizer manifold. The best agreement with the experimental results has been observed considering heat addition at the plane of propellants injection into the combustion chamber, showing it is reasonable to assume combustion occurs mainly in proximity of that plane, as the previous works about CVRC and CFD results had already shown. 204 pp. Englisch.



[Read High Frequency Combustion Instabilities in the DVRC Rocket Combustor Online](#)



[Download PDF High Frequency Combustion Instabilities in the DVRC Rocket Combustor](#)

You May Also Like



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Save ePub »](#)



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...

[Save ePub »](#)



Depression: Cognitive Behaviour Therapy with Children and Young People (Paperback)

Taylor Francis Ltd, United Kingdom, 2009. Paperback. Book Condition: New. 242 x 174 mm. Language: English . Brand New Book. In recent years there has been an increase in research into childhood depression, and it...

[Save ePub »](#)



Programming in D: Tutorial and Reference (Paperback)

Ali Cehreli, 2015. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.The main aim of this book is to teach D to readers who are...

[Save ePub »](#)



city and people. sociological narrative

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Publisher: Dalian University of Technology Press Pub. Date :2010-05-01. incorporated into the collection...

[Save ePub »](#)

**No Friends?: How to Make Friends Fast and Keep Them (Paperback)**

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Do You Have NO Friends ? Are you tired of not having any

[Read Document »](#)

**The Preschool Inclusion Toolbox: How to Build and Lead a High-Quality Program (Paperback)**

Brookes Publishing Co, United States, 2015. Paperback. Book Condition: New. 274 x 213 mm. Language: English . Brand New Book. Filled with tips, tools, and strategies, this book is the comprehensive, practical toolbox preschool administrators

[Read Document »](#)

**Peter Rabbit: the Angry Owl - Read it Yourself with Ladybird: Level 2**

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Peter Rabbit: the Angry Owl - Read it Yourself with Ladybird: Level 2, Peter Rabbit: The Angry Owl Squirrel Nutkin has lost Old Brown's glasses and

[Read Document »](#)

**Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook (Paperback)**

Createspace, United States, 2010. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.From a certified teacher and founder of an online tutoring website-a simple and

[Read Document »](#)

**Sleeping Beauty - Read it Yourself with Ladybird: Level 2**

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Sleeping Beauty - Read it Yourself with Ladybird: Level 2, In this classic fairy tale, Sleeping Beauty pricks her finger on a spinning wheel and falls

[Read Document »](#)