



DOWNLOAD



Effect of Equivalence Ratio and G-Loading on In-Situ Measurements of Chemiluminescence in An Ultra Compact Combustor

By Jason M. Armstrong

Biblioscholar Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x7 mm. This item is printed on demand - Print on Demand Neuware - Using a spectrometer and high temperature fiber optics the relative intensities of the near-infrared, visible and ultraviolet radiation emitted from the C_2^* , CH^* , and OH^* radicals were measured at eight discrete locations within the Ultra Compact Combustor test rig. Blackbody radiation in the near infrared was also observed. The tests were conducted at various g-loadings and overall equivalence ratios and with various air hole configurations. These measurements were compared to determine the effect of these changes on the radiation emitted. Local C_2^* intensities were used to estimate the flame location within the combustor and the local CH^*/OH^* ratio was used as a gauge of the local equivalence ratio within the cavity. Results indicate the highest ratios of CH^*/OH^* occur in the outer radius of the cavity where the high g-loads transport the colder unreacted fuel and air. The highest C_2^* ratios also occur in the outer radius. A correlation between cavity equivalence ratio and C_2^*/OH^* was determined for these experiments as well. Fuel droplet size characterization was also conducted using a laser diffraction particle size analyzer. The...



READ ONLINE
[2.65 MB]

Reviews

It in one of the most popular ebook. It usually fails to price an excessive amount of. Its been printed in an extremely basic way in fact it is merely right after i finished reading through this book in which really altered me, change the way i believe.

-- **Sigrid Brown**

Absolutely one of the best pdf We have ever read. I really could comprehended every little thing using this written e book. I am easily could get a satisfaction of reading a written publication.

-- **Dr. Odie Hamill**

Relevant Kindle Books



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, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



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 who are new to computer programming. Although...



The Right Kind of Pride: A Chronicle of Character, Caregiving and Community (Paperback)

Right Kind of Pride, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After 20 years of marriage author Christopher Cudworth and his wife Linda faced a future changed by...



Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book. the genuine special part of the spot...



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How and Which Niche? Market Analysis: Who Are...



Adobe Indesign CS/Cs2 Breakthroughs

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and users are hungry for breakthrough solutions to...