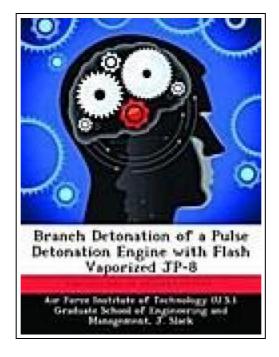
Branch Detonation of a Pulse Detonation Engine with Flash V aporized JP- $\ensuremath{8}$



Filesize: 7.72 MB

Reviews

Simply no words to explain. It really is basic but shocks from the fifty percent of the ebook. I am just happy to explain how this is the finest pdf we have read within my personal life and could be he best ebook for possibly.

(Blair Monahan)

BRANCH DETONATION OF A PULSE DETONATION ENGINE WITH FLASH VAPORIZED JP-8



Biblioscholar Sep 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x6 mm. This item is printed on demand - Print on Demand Neuware - Pulse Detonation Engines (PDE) operating on liquid hydrocarbon fuels are limited to operating frequencies of 35 Hz due to long ignition times from low energy ignition sources. This study shows ignition time of JP-8 can be nearly eliminated by igniting a thrust tube using a secondary detonation. A counter flow heat exchanger attached to a thrust tube utilized waste heat from the detonation process to heat JP-8 to supercritical conditions. The fuel flash vaporized upon injection into the air stream of the engine, where a detonation was produced by a spark in a 5 cm diameter, 1.37 m long tube. Part of the detonation produced in the spark ignited tube was branched through a 1.9 cm diameter crossover tube into the head of second thrust tube. A pressure transducer and hydroxyl (OH) sensor measured the combustion event that determined ignition time of the second tube was eliminated. Branch detonation was performed over a range of equivalence ratios ranging from 1.05 to 1.3. Branch ignited thrust tubes have shown a 40% improvement in deflagration to detonation transition (DDT) time and a slight improvement in DDT distance. 102 pp. Englisch.



Read Branch Detonation of a Pulse Detonation Engine with Flash Vaporized JP-8 Online



Other Books



Dog Poems For Kids Rhyming Books For Children Dog Unicorn Jerks 2 in 1 Compilation Of Volume 1 3 Just Really Big Jerks Series

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 96 pages. Dimensions: 9.0in. x 6.0in. x 0.2in.LIMITED-TIME SPECIAL: Special Bonus Inside! Thats right... For a limited time...

Download Book »



Read Write Inc. Phonics: Yellow Set 5 Non-Fiction 1 in the Park

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 215 x 178 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books...

Download Book »



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 Book x



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)

Createspace, United States, 2015. Paperback. Book Condition: New. Apoorva Dingar (illustrator). Large Print. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand ******.Klara is a little different from the other...

Download Book »



Childrens Educational Book Junior Vincent van Gogh A Kids Introduction to the Artist and his Paintings. Age 7 8 9 10 year-olds SMART READS for . - Expand Inspire Young Minds Volume 1

Download Book »