



## Cycle Performance of a Pulse Detonation Engine with Supercritical Fuel Injection

By Timothy M. Helfrich

Biblioscholar Okt 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x11 mm. This item is printed on demand - Print on Demand Neuware - Pulse detonation engines (PDE) rely on rapid ignition and formation of detonation waves. Because hydrocarbon fuels are composed typically of long carbon chains that must be reduced in the combustion process, it would be beneficial to create such reduction prior to injection of fuel into the engine. This study focused on PDE operation enhancements using dual detonation tube, concentric-counter-flow heat exchangers to elevate the fuel temperature up to supercritical temperatures. Variation of several operating parameters included fuel type (JP-8, JP-7, JP-10, RP-1, JP-900, and S-8), ignition delay, frequency, internal spiral length, and purge fraction. 190 pp. Englisch.



**READ ONLINE**  
[ 1.64 MB ]

### Reviews

*A must buy book if you need to adding benefit. It can be rally fascinating throgh studying period of time. I am just happy to explain how this is the very best ebook i actually have read within my individual existence and could be he finest book for ever.*

-- **Cydney Hand**

*Excellent e-book and useful one. It can be rally intriguing throgh looking at time period. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Pasquale Klocko**

## See Also



### **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...



### **Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Jo Ann Brewer ISBN: 9780205491452**

2011. Softcover. Book Condition: New. 6th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional...



### **Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire**

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 52 pages. Dimensions: 9.0in. x 6.0in. x 0.1in. Still finding it getting your way around your Kindle Fire Wish you had the answers to all your frequently asked...



### **New KS2 English SAT Buster 10-Minute Tests: 2016 SATs & Beyond**

Paperback. Book Condition: New. Not Signed; This is Book 2 of CGP's SAT Buster 10-Minute Tests for KS2 Grammar, Punctuation & Spelling - it's a brilliant way to introduce English SATS preparation in bite-sized chunks. Each set of quick tests is packed...



### **Memoirs of Robert Cary, Earl of Monmouth**

BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 142 pages. Dimensions: 8.0in. x 5.0in. x 0.3in. The Author of the Memoirs. The Memoirs here presented to the reader may be said to combine every interest which can attach to...