



## Turbulent Mixing of Primary and Secondary Flow Streams in a Rocket-Based Combined Cycle Engine

By J. M. Cramer

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 24 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This viewgraph presentation gives an overview of the turbulent mixing of primary and secondary flow streams in a rocket-based combined cycle (RBCC) engine. A significant RBCC ejector mode database has been generated, detailing single and twin thruster configurations and global and local measurements. On-going analysis and correlation efforts include Marshall Space Flight Center computational fluid dynamics modeling and turbulent shear layer analysis. Potential follow-on activities include detailed measurements of air flow static pressure and velocity profiles, investigations into other thruster spacing configurations, performing a fundamental shear layer mixing study, and demonstrating single-shot Raman measurements. This item ships from La Vergne, TN. Paperback.



**READ ONLINE**  
[ 8.59 MB ]

### Reviews

*This publication is great. I have study and that i am sure that i will planning to read once more again in the foreseeable future. You will like how the article writer write this publication.*

-- **Dr. Uriel Kovacek**

*This created ebook is great. it was writtern very properly and useful. Its been printed in an exceedingly easy way in fact it is just right after i finished reading this pdf where basically modified me, alter the way i think.*

-- **Aglæ Becker**