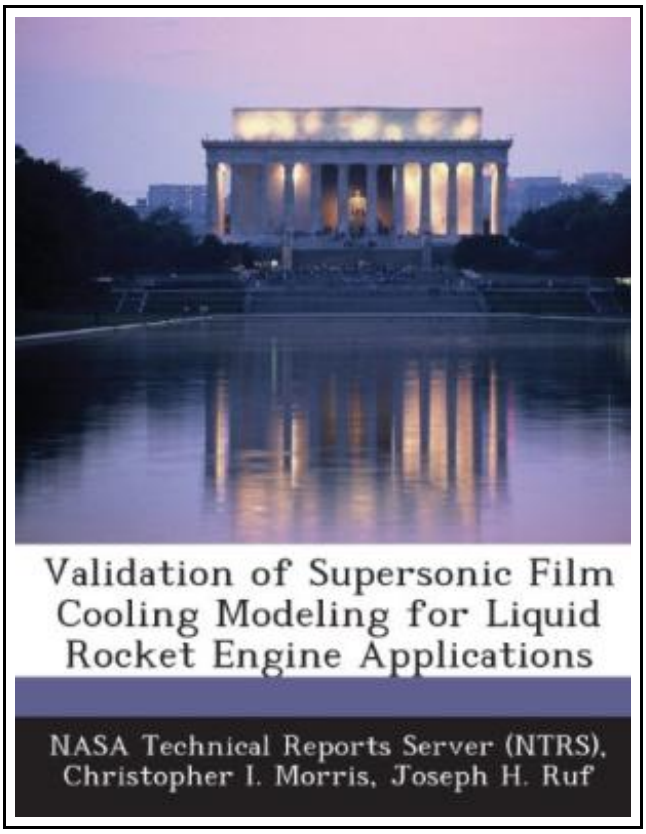
Validation of Supersonic Film Cooling Modeling for Liquid Rocket Engine Applications (Paperback)



Filesize: 3.71 MB

Reviews

Complete guide for ebook fans. Better then never, though i am quite late in start reading this one. Your life span will likely be convert when you full reading this ebook.

(Dr. Teagan Beahan Sr.)

VALIDATION OF SUPERSONIC FILM COOLING MODELING FOR LIQUID ROCKET ENGINE APPLICATIONS (PAPERBACK)

To download **Validation of Supersonic Film Cooling Modeling for Liquid Rocket Engine Applications (Paperback)** eBook, please access the button below and download the document or get access to additional information that are related to VALIDATION OF SUPERSONIC FILM COOLING MODELING FOR LIQUID ROCKET ENGINE APPLICATIONS (PAPERBACK) book.

Bibliogov, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Topics include: upper stage engine key requirements and design drivers; Calspan stage 1 results, He slot injection into hypersonic flow (air); test articles for shock generator diagram, slot injector details, and instrumentation positions; test conditions; modeling approach; 2-d grid used for film cooling simulations of test article; heat flux profiles from 2-d flat plate simulations (run #4); heat flux profiles from 2-d backward facing step simulations (run #43); isometric sketch of single coolant nozzle, and x-z grid of half-nozzle domain; comparison of 2-d and 3-d simulations of coolant nozzles (run #45); flowfield properties along coolant nozzle centerline (run #45); comparison of 3-d CFD nozzle flow calculations with experimental data; nozzle exit plane reduced to linear profile for use in 2-d film-cooling simulations (run #45); synthetic Schlieren image of coolant injection region (run #45); axial velocity profiles from 2-d film-cooling simulation (run #45); coolant mass fraction profiles from 2-d film-cooling simulation (run #45); heat flux profiles from 2-d film cooling simulations (run #45); heat flux profiles from 2-d film cooling simulations (runs #47, #45, and #47); 3-d grid used for film cooling simulations of test article; heat flux contours from 3-d film-cooling simulation (run #45); and heat flux profiles from 3-d and 2-d film cooling simulations (runs #44, #46, and #47).

You May Also Like

[PDF] Oxford Reading Tree: Stage 1+: Songbirds: Mum Bug's Bag

Access the web link beneath to download and read "Oxford Reading Tree: Stage 1+: Songbirds: Mum Bug's Bag" document.

Save Book »

[PDF] Oxford Reading Tree: Stage 1+: Songbirds: Zak and the Vet

Access the web link beneath to download and read "Oxford Reading Tree: Stage 1+: Songbirds: Zak and the Vet" document.

Save Book »

[PDF] Slavonic Rhapsodies, Op.45 / B.86: Study Score

Access the web link beneath to download and read "Slavonic Rhapsodies, Op.45 / B.86: Study Score" document.

Save Book »

[PDF] Disney High School Musical: Wildcat Spirit, No. 2: Stories from East High

Access the web link beneath to download and read "Disney High School Musical: Wildcat Spirit, No. 2: Stories from East High" document.

Save Book »

[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Access the web link beneath to download and read "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" document.

Save Book »

[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Access the web link beneath to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" document.

Save Book »