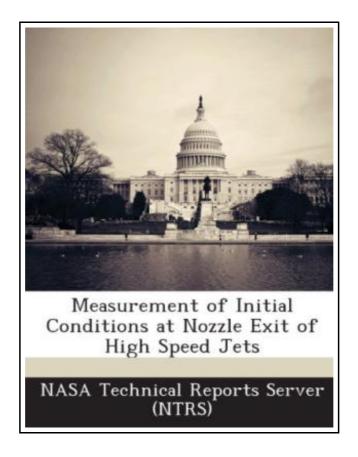
Measurement of Initial Conditions at Nozzle Exit of High Speed Jets



Filesize: 6.24 MB

Reviews

A very amazing ebook with lucid and perfect answers. it was actually writtern quite flawlessly and useful. Its been written in an exceedingly basic way and it is simply right after i finished reading this publication in which basically changed me, change the way i really believe. (Garett Stanton)

MEASUREMENT OF INITIAL CONDITIONS AT NOZZLE EXIT OF HIGH SPEED JETS



BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.The time averaged and unsteady density fields close to the nozzle exit (0. 1 less than or xD less than or 2, x: downstream distance, D: jet diameter) of unheated free jets at Mach numbers of 0. 95, 1. 4, and 1. 8 were measured using a molecular Rayleigh scattering based technique. The initial thickness of shear layer and its linear growth rate were determined from time-averaged density survey and a modeling process, which utilized the Crocco-Busemann equation to relate density profiles to velocity profiles. The model also corrected for the smearing effect caused by a relatively long probe length in the measured density data. The calculated shear layer thickness was further verified from a limited hot-wire measurement. Density fluctuations spectra, measured using a two-Photomultiplier-tube technique, were used to determine evolution of turbulent fluctuations in various Strouhal frequency bands. For this purpose spectra were obtained from a large number of points inside the flow; and at every axial station spectral data from all radial positions were integrated. The radially-integrated fluctuation data show an exponential growth with downstream distance and an eventual saturation in all Strouhal frequency bands. The initial level of density fluctuations was calculated by extrapolation to nozzle exit. This item ships from La Vergne,TN. Paperback.



Read Measurement of Initial Conditions at Nozzle Exit of High Speed Jets Online Download PDF Measurement of Initial Conditions at Nozzle Exit of High Speed Jets

See Also



Barabbas Goes Free: The Story of the Release of Barabbas Matthew 27:15-26, Mark 15:6-15, Luke 23:13-25, and John 18:20 for Children

Paperback. Book Condition: New.

Read ePub »



Homeschool Your Child for Free: More Than 1,400 Smart, Effective, and Practical Resources for Educating Your Family at Home

Random House USA Inc, United States, 2009. Paperback. Book Condition: New. 2nd. 229×185 mm. Language: English . Brand New Book. Provide a solid education at home without breaking the bank. Introduced in 2000,...

Read ePub »



The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 \times 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to...

Read ePub »



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications.

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English. Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can usually...

Read ePub »



DK Readers Day at Greenhill Farm Level 1 Beginning to Read

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs...

Read ePub »