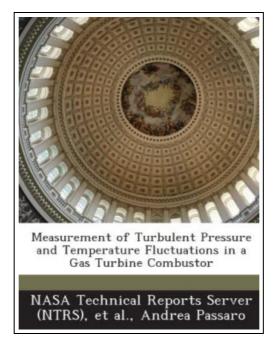
Measurement of Turbulent Pressure and Temperature Fluctuations in a Gas Turbine Combustor



Filesize: 9.36 MB

Reviews

Completely essential read through ebook. This can be for all who statte there was not a well worth reading. You wont really feel monotony at at any time of your own time (that's what catalogs are for relating to if you request me).

(Maud Mitchell)

MEASUREMENT OF TURBULENT PRESSURE AND TEMPERATURE FLUCTUATIONS IN A GAS TURBINE COMBUSTOR



BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 32 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.The present research concerns the development of high-frequency pressure and temperature probes and related instrumentation capable of performing spectral characterization of unsteady pressure and temperature fluctuations over the 0. 05 20 kHz range, at the exit of a gas turbine combustor operating at conditions close to nominal ones for large power generation turbomachinery. The probes used a transient technique pioneered at Oxford University; in order to withstand exposure to the harsh environment the probes were fitted on a rapid injection and cooling system jointly developed by Centrospazio CPR and Syracuse University. The experimental runs were performed on a large industrial test rig being operated by ENEL Produzione. The achieved results clearly show the satisfactory performance provided by this diagnostic tool, even though the poor location of the injection port prevented the tests from yielding more insight of the core flow turbulence characteristics. The pressure and temperature probes survived several dozen injections in the combustor hot jet, while consistently providing the intended high frequency performance. The apparatus was kept connected to the combustor during long duration firings, operating as an unobtrusive, self contained, piggy-back experiment: high frequency flow samplings were remotely recorded at selected moments corresponding to different combustor operating conditions. This item ships from La Vergne,TN. Paperback.



Read Measurement of Turbulent Pressure and Temperature Fluctuations in a Gas Turbine Combustor Online Download PDF Measurement of Turbulent Pressure and Temperature Fluctuations in a Gas Turbine Combustor

Other Books



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book
***** Print on Demand ******. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

Save eBook »



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book
***** Print on Demand ******. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

Save eBook x



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...

Save eBook »



 $Some\ of\ My\ Best\ Friends\ Are\ Books: Guiding\ Gifted\ Readers\ from\ Preschool\ to\ High\ School$

Book Condition: Brand New. Book Condition: Brand New.

Save eBook »



Games with Books: 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

Save eBook »