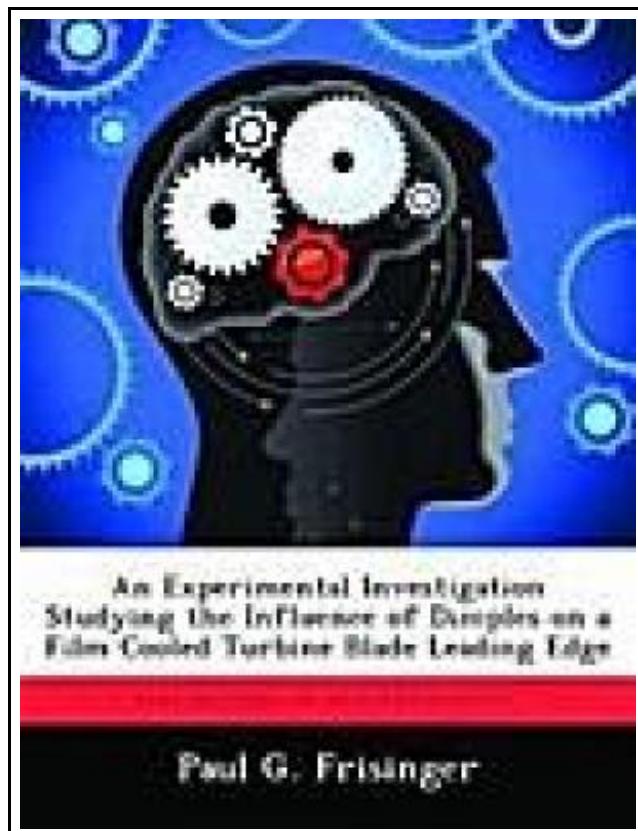


## An Experimental Investigation Studying the Influence of Dimples on a Film Cooled Turbine Blade Leading Edge



Filesize: 6.09 MB

### Reviews

*The very best book i actually read through. I have got read through and i am certain that i will likely to read through yet again yet again down the road. I realized this ebook from my dad and i suggested this book to learn.*

*(Alfreda Barrows)*

## AN EXPERIMENTAL INVESTIGATION STUDYING THE INFLUENCE OF DIMPLES ON A FILM COOLED TURBINE BLADE LEADING EDGE

[DOWNLOAD PDF](#)

Biblioscholar Okt 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x10 mm. This item is printed on demand - Print on Demand Neuware - An investigation was conducted to examine the effect of a row of cylindrical surface dimples in reducing the heat load on a turbine blade leading edge model. The models consisted of a foam cylindrical leading edge with a flat afterbody fabricated from Plexiglass. A single coolant hole was located 21.5- from the leading edge, angled 20- to the surface and 90- from the streamwise direction. The leading edge diameter to hole diameter ratio was  $D/d = 18.7$ . A row of seven dimples was placed upstream of one of the coolant holes. Infrared thermography techniques were used to determine the adiabatic effectiveness, and heat transfer coefficient,  $h$ , distributions so that the net heat flux reduction could be calculated. Freestream conditions consisted of Reynolds numbers of 60,000 and 30,000 at both low turbulence and high turbulence. 174 pp. Englisch.

- [Read An Experimental Investigation Studying the Influence of Dimples on a Film Cooled Turbine Blade Leading Edge Online](#)
- [Download PDF An Experimental Investigation Studying the Influence of Dimples on a Film Cooled Turbine Blade Leading Edge](#)

## Related eBooks

---



### 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,...

[Read Document »](#)

---



### 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...

[Read Document »](#)

---



### Aeschylus

BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 260 pages. Dimensions: 8.0in. x 5.0in. x 0.6in. This Translation of A eschylus, an entirely new one, is designed as an Appendix to my...

[Read Document »](#)

---



### Carmilla

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 140 pages. Dimensions: 9.0in. x 6.0in. x 0.3in. Carmilla is a Gothic novella by Joseph Sheridan Le Fanu. First published in...

[Read Document »](#)

---



### Angels Among Us: 52 Humorous and Inspirational Short Stories: Lifes Outtakes - Year 7

Publishing Inspiration. Paperback. Book Condition: New. This item is printed on demand. Paperback. 132 pages. Dimensions: 9.0in. x 6.0in. x 0.3in. 52 Humorous And Inspirational Short Stories! 52 humorous and inspirational short stories from year 7 of...

[Read Document »](#)