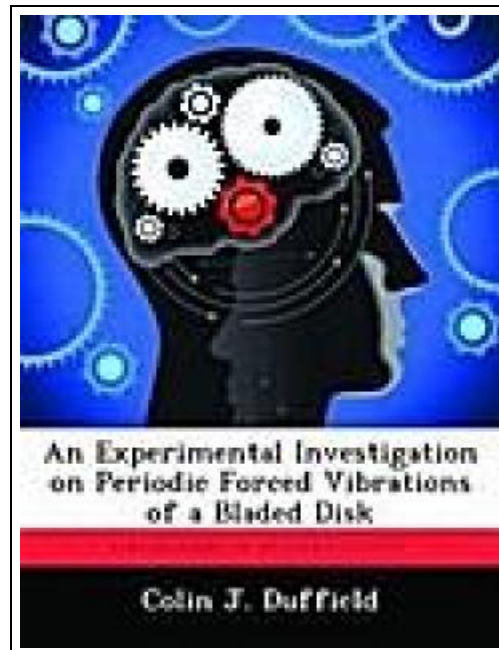


An Experimental Investigation on Periodic Forced Vibrations of a Bladed Disk



Filesize: 4.34 MB

Reviews

Extensive guideline! Its this kind of very good study. It really is full of knowledge and wisdom I discovered this book from my i and dad encouraged this publication to understand.

(Mr. Jerry Littel)

AN EXPERIMENTAL INVESTIGATION ON PERIODIC FORCED VIBRATIONS OF A BLADED DISK



Biblioscholar Okt 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x9 mm. This item is printed on demand - Print on Demand Neuware - Turbine engine blades are subject to extreme dynamic vibrational loads during normal operations. Harmonic forcing produced from periodic wakes created by fixed stators can excite blade resonant frequencies. Prolonged or repeated exposure to these forces can cause vibration-induced fatigue, otherwise known as High Cycle Fatigue (HCF). HCF effects are magnified by small material, manufacturing and geometrical irregularities among the blades, called mistuning. Structural mistuning can result in some blades experiencing stresses much higher than would be encountered in a perfect structure. Blade amplitude increases of over 100% have been observed in blades with natural frequencies less than 2% off their nominal value. Premature blade failures, operational costs and engine servicing all increase due to the HCF problem. This study offered a novel approach to characterize mistuning effects on forced vibration behavior of bladed disks. A model fan reduced in dynamic scale from an operational jet engine fan and with weak inter-blade coupling was fabricated. 156 pp. Englisch.



[Read An Experimental Investigation on Periodic Forced Vibrations of a Bladed Disk Online](#)



[Download PDF An Experimental Investigation on Periodic Forced Vibrations of a Bladed Disk](#)

Other Kindle Books



Minecraft Box Set 2 in 1: Minecraft Redstone. Minecraft Ultimate Redstone Step-By-Step Guide + All Secret Survival Tricks and Secrets: (Minecraft, Minecraft Secrets, Minecraft Stories, Minecraft Books

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Minecraft BOX SET 2 IN 1: Minecraft Redstone. Minecraft Ultimate Redstone Step-by-Step Guide...

[Save 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...

[Save ePub »](#)



Becoming Barenaked: Leaving a Six Figure Career, Selling All of Our Crap, Pulling the Kids Out of School, and Buying an RV We Hit the Road in Search Our Own American Dream. Redefining What It Meant to Be a Family in America.

Createspace, United States, 2015. Paperback. Book Condition: New. 258 x 208 mm. Language: English . Brand New Book ***** Print on Demand *****.This isn t porn. Everyone always asks and some of our family thinks...

[Save ePub »](#)



7 Steps to Starting a Successful Ebay Business: Make Money on Ebay: Be an Ebay Success with Your Own Ebay Store

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Finally a book that will TEACH YOU step-by-step EXACTLY how to start YOUR...

[Save ePub »](#)



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 ePub »](#)