

This is a repository copy of Using shock control bumps to improve transonic fan/compressor blade performance.

White Rose Research Online URL for this paper: http://eprints.whiterose.ac.uk/142878/

Version: Supplemental Material

Article:

John, A., Qin, N. and Shahpar, S. (2019) Using shock control bumps to improve transonic fan/compressor blade performance. Journal of Turbomachinery, 141 (8). 081003. ISSN 0889-504X

https://doi.org/10.1115/1.4042891

© 2019 ASME. This is an author produced version of a paper subsequently published in Journal of Turbomachinery. Uploaded in accordance with the publisher's self-archiving policy. Article available under the terms of the Creative Commons Attribution Licence (http://creativecommons.org/licenses/by/4.0)

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.





ASME Accepted Manuscript Repository

Institutional Repository Cover Sheet

| | First | Last |
|--------------------|-------------------------------------|--|
| ASME Paper Title: | Using shock control bum | ps to improve transonic fan/compressor blade performance |
| | | |
| Authors: | John, A., Qin, N. and Shahp | ar, S. |
| ASME Journal Title | e: Journal of Turbomachine | ry |
| /olume/Issue | 141 /8 | Date of Publication (VOR* Online)02/03/2019 |
| ASME Digital Colle | ection URL: <u>http://turbomacl</u> | hinery.asmedigitalcollection.asme.org/article.aspx?articleid=2725792 |
| DOI: 10. | 1115/1.4042891 | |

*VOR (version of record)