



This is a repository copy of *The impact of realistic casing geometries and clearances on fan blade tip aerodynamics*.

White Rose Research Online URL for this paper:
<http://eprints.whiterose.ac.uk/135158/>

Version: Supplemental Material

Article:

John, A., Qin, N. orcid.org/0000-0002-6437-9027 and Shahpar, S. (2018) The impact of realistic casing geometries and clearances on fan blade tip aerodynamics. *Journal of Turbomachinery*, 140 (6). 061002. ISSN 0889-504X

<https://doi.org/10.1115/1.4038834>

© 2018 Rolls-Royce plc / 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, 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.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>



American Society of
Mechanical Engineers

ASME Accepted Manuscript Repository



First

Last

ASME Paper Title: The impact of realistic casing geometries and clearances on fan blade tip aerodynamics

Authors: Alistair John, Ning Qin, Shahrokh Shahpar

ASME Journal Title: Journal of Turbomachinery

Volume/Issue _____ 140/6 _____ Date of Publication (VOR* Online) _____ 18/04/2018 _____

ASME Digital Collection URL: <http://turbomachinery.asmedigitalcollection.asme.org/article.aspx?articleid=2668088>

DOI: 10.1115/1.4038834

*VOR (version of record)

