Abhijit Guha obtained a Bachelor of Engineering degree from the Mechanical Engineering Department of Jadavpur University and a Master of Engineering from the Indian Institute of Science (IISc Bangalore). He ranked first at IISc by a large margin. He then went to Trinity College, University of Cambridge, holding the Prince of Wales Scholarship (one scholarship across all disciplines awarded to the best candidate of all Commonwealth countries including U.K.) and an Honorary Nehru Scholarship (India), and received his PhD from the Engineering department of University of Cambridge. He was a Senior Rouse Ball Scholar at Trinity College during 1989-90. In 1990 a number of top Cambridge colleges simultaneously offered him the rare distinguished opportunity of becoming a Fellow at those colleges; he accepted the offer from Gonville & Caius College and became a Fellow there. While at Cambridge, his research was based at the Whittle Laboratory. In 1995 he became a permanent Faculty member at the Aerospace Engineering department of the University of Bristol (the city of Bristol hosting the largest concentration of aerospace and related industries in Europe, including Airbus, Rolls Royce, AgustaWestland Helicopter, BAE Systems). He joined the Mechanical Engineering department of the Indian Institute of Technology (IIT-Kharagpur) as a Professor in 2009. Professor Guha has been accorded the Honorary status of Visiting Fellow at the Faculty of Engineering at University of Bristol in 2012 (2012-2015).

His research interests lie in the areas of thermo-fluid-dynamics of two-phase flow, transport and deposition of particles, heat and mass transfer, gas turbine & energy, environment, fluid dynamics, biological fluid dynamics and computational fluid dynamics. In 1993 and 1994 he delivered short courses at the Czech Academy of Sciences. In 1995 he delivered the prestigious VKI Lecture Series at the von Karman Institute in Belgium. In 2000 he was elected to the Editorial Board of Journal of Aerosol Science. In 2008 he was invited to contribute to the Annual Review of Fluid Mechanics. He has delivered Keynote Lectures at International conferences, including the 2002 ASME/ISHMT international conference on Heat and Mass Transfer. He is a regular reviewer for several international journals. Research of Prof. Guha is recognized in several major ways by the celebrated journal Physics of Fluids published by the American Institute of Physics (AIP): **1)** FEATURED ARTICLE, DEC 20 2016. **2)** EDITOR'S PICK, OCT 05 2016. **3)** The FRONT COVER PAGE of the December 2016 Issue of Physics of Fluids is based on his work at IIT KGP. This is the first time the celebrated journal has changed its Cover Page since 1994. **4)** EDITOR'S PICK, JUNE 28 2017. **5)** A place in the CALENDAR 2018 of the American Institute of Physics.

He is the recipient of the first-ever Teaching Excellence Award 2003 for the whole of Faculty of Engineering (containing several departments) at University of Bristol. University of Bristol introduced this scheme in 2003 and awards this prize to one member in each Faculty each year.

His article on personal interactions with STEPHEN HAWKING is published by the literary magazine DESH as a COVER ARTICLE of its 2nd April 2018 issue.

Research Page
https://facweb.iitkgp.ac.in/~aguha/research/Dr_A_Guha.html

Personal Homepage
https://facweb.iitkgp.ac.in/~aguha/

Cambridge Bristol IISc Bangalore

http://aip.scitation.org/journal/phf

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Work of Prof. A. Guha's research team is highlighted by the celebrated journal as the "Featured Article"

Featured

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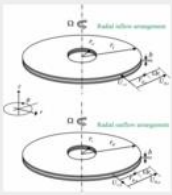
Finding order in complexity: A study of the fluid dynamics in a three-dimensional branching network

Editor's Picks

OCT 05 2016

The physics of pressure variation in microchannels within corotating or static discs



IIT KGP in the Spotlight

Work of Prof. A. Guha's research team is highlighted by the celebrated journal as the "Editor's Picks"

IIT KGP in the Spotlight

The Journal Cover of December 2016 issue is based on the work of Prof. A. Guha's research team.

IIT KGP in the Spotlight

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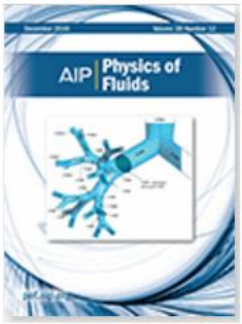

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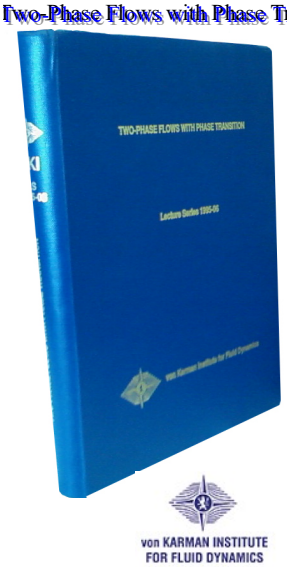

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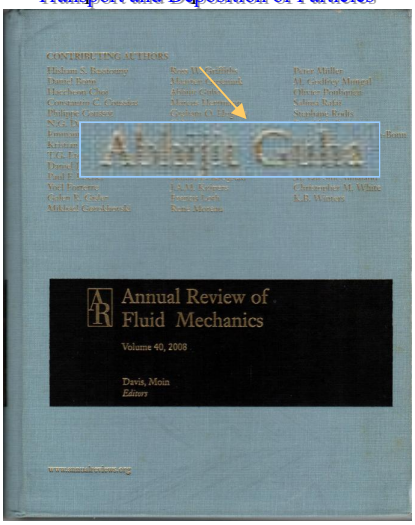

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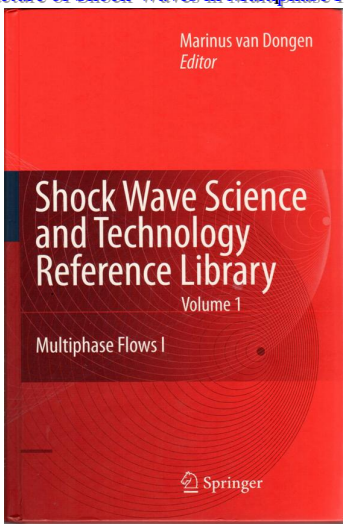
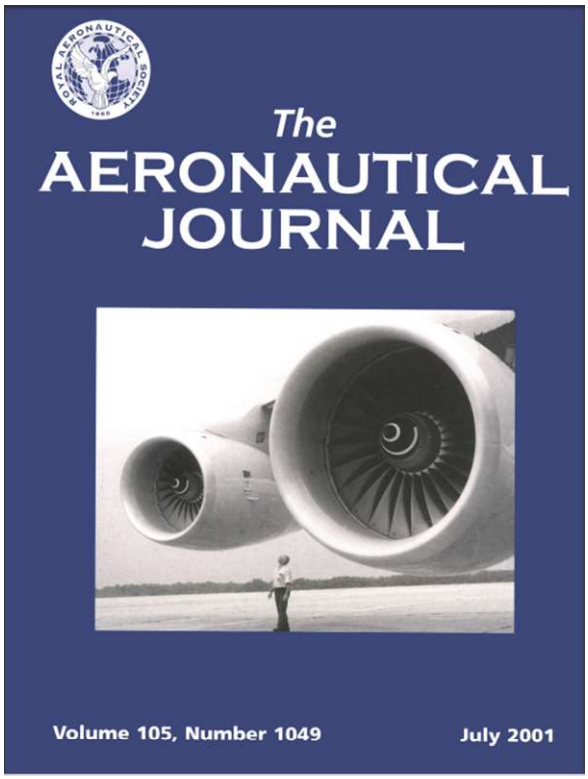


Springer Book 2007



Cover Article based on Prof. Abhijit Guha's research at University of Bristol

Optimisation of aero gas turbine engines

A. Guha
Aerospace Engineering Department
University of Bristol
Bristol, UK

https://doi.org/10.1017/S0001924000012264

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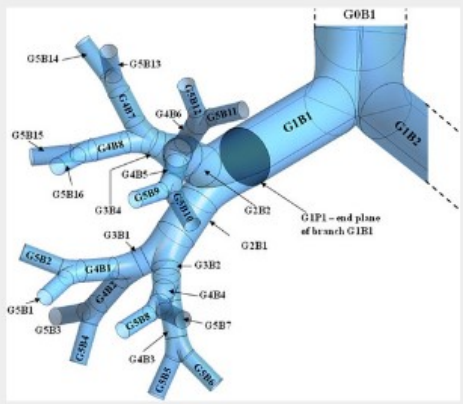
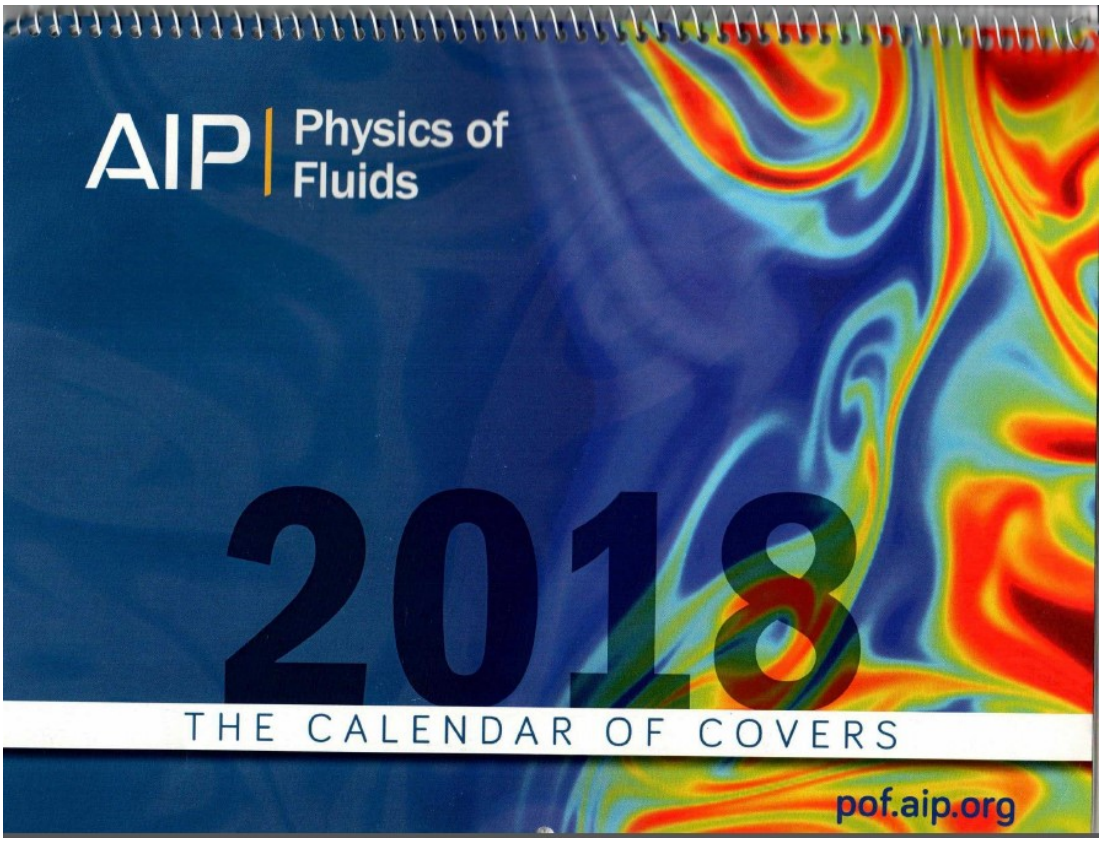
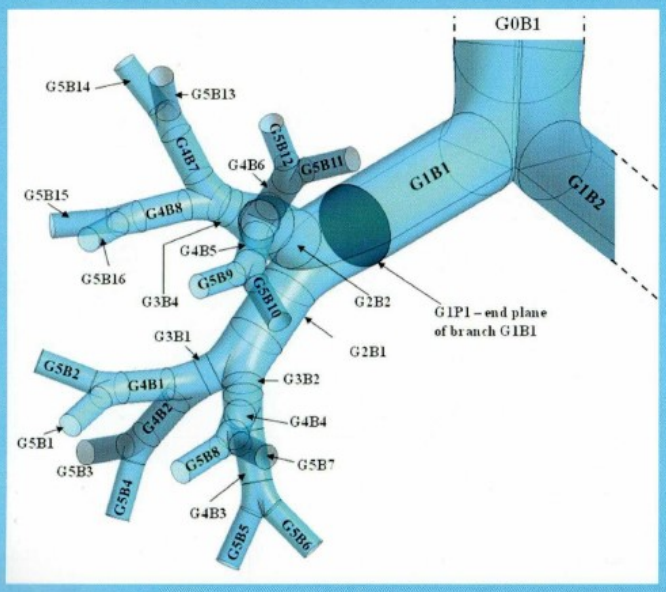
JUN 28 2017

Secondary motion in three-dimensional branching networks



http://aip.scitation.org/doi/10.1063/1.4984919





Abhijit Guha, Kaustav Pradhan and Prodosh Kumar Halder

Physics of Fluids **28**, 123602 (2016) DOI: 10.1063/1.4971315

DECEMBER 2018

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
NOVEMBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	JANUARY S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2	3 CHANUKAH BEGINS	4	5	6	7 ● NEW MOON PEARL HARBOR DAY, 1941 (USA)	8
9	10	11	12	13	14	15 ◐ FIRST QUARTER
16	17	18	19	20	21 WINTER BEGINS	22 ○ FULL MOON
23 30	24 31	25 CHRISTMAS DAY	26 BOXING DAY (CANADA)	27	28	29 ◑ LAST QUARTER

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