

# Air cavities at the inner cylinder of turbulent Taylor-Couette flow

Ruben A. Verschoof,<sup>1</sup> Dennis Bakhuis,<sup>1</sup> Pim A. Bullee,<sup>1</sup> Sander G. Huisman,<sup>1</sup> Chao Sun,<sup>2,1,\*</sup> and Detlef Lohse<sup>1,3,†</sup>

<sup>1</sup>*Physics of Fluids, Max Planck Institute for Complex Fluid Dynamics,*

*MESA+ institute and J. M. Burgers Center for Fluid Dynamics,*

*University of Twente, P.O. Box 217, 7500 AE Enschede, The Netherlands*

<sup>2</sup>*Center for Combustion Energy and Department of Thermal Engineering, Tsinghua University, 100084 Beijing, China*

<sup>3</sup>*Max Planck Institute for Dynamics and Self-Organization, 37077 Göttingen, Germany*

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## Highlights

- Study on the effect of air cavities in Taylor-Couette flow
- Flow visualizations show dependence on Reynolds number, void fraction, and axial position
- Large difference between net and gross drag reduction
- Local air injection is not crucial for efficient drag reduction — as long as sufficient air is available anywhere in the flow.

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\* [chaosun@tsinghua.edu.cn](mailto:chaosun@tsinghua.edu.cn)

† [d.lohse@utwente.nl](mailto:d.lohse@utwente.nl)