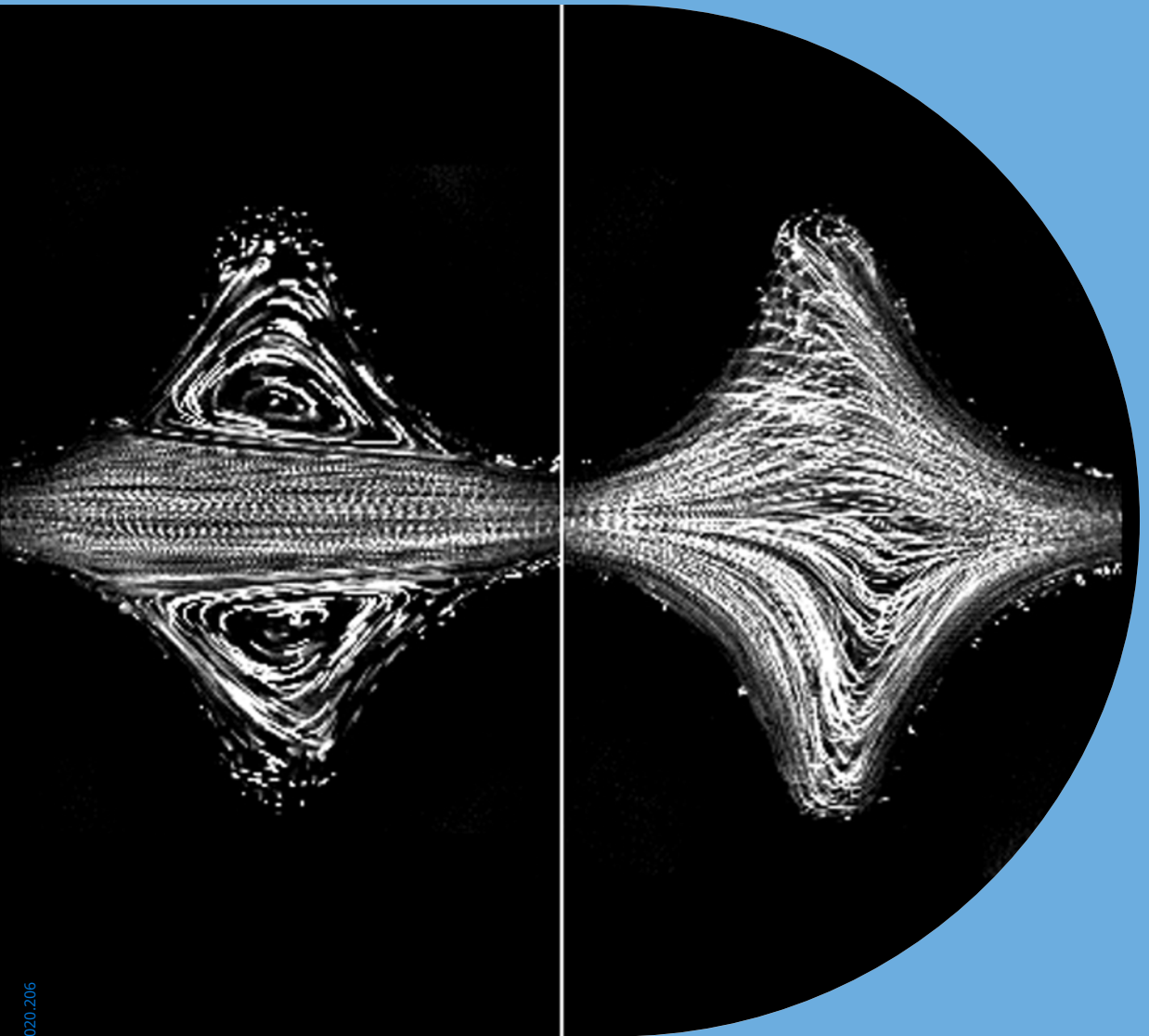


JFM JOURNAL OF FLUID MECHANICS



<https://doi.org/10.1017/jfm.2020.206>

VOLUME 890
10 May 2020



CAMBRIDGE
UNIVERSITY PRESS