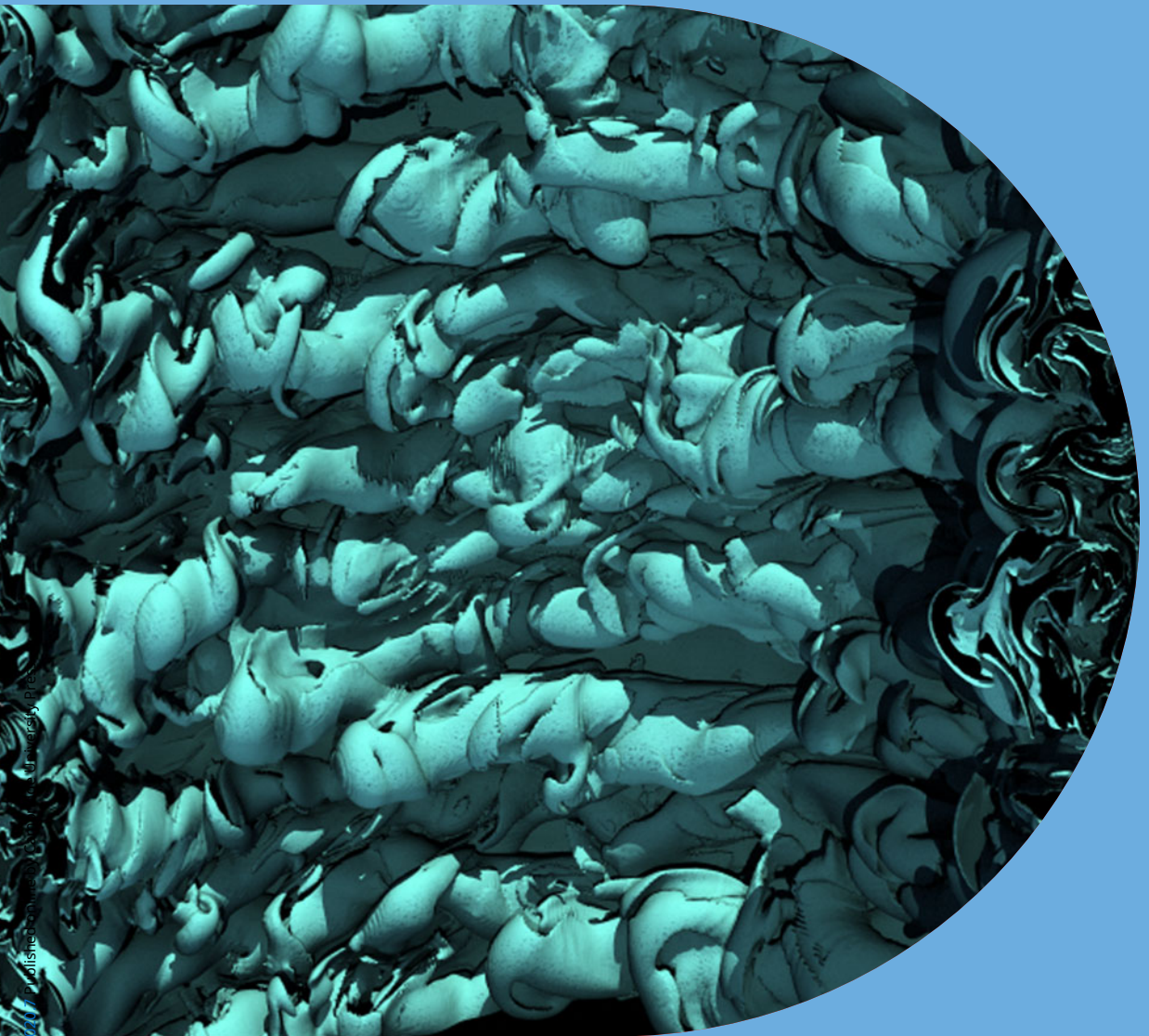


JFM JOURNAL OF FLUID MECHANICS



VOLUME 885

25 February 2020



CAMBRIDGE
UNIVERSITY PRESS

<https://doi.org/10.1017/jfm.2020.1> Published online by Cambridge University Press