Journal of Fluid Mechanics

Digital Archive 1956–1996



The JFM Digital Archive contains every article from the first 40 years of the journal, scanned and digitised to the highest standards.

Please speak to your librarian about gaining access.

journals.cambridge.org/jfm





- Faster publication
- Greater visibility for papers
- Freely available to all for the first year

For more information visit

journals.cambridge.org/rapids



https://doi.org/10.1017/jfm.2015.625 Published online by Cambridge University Press

- S 504 On the contact-line pinning in cavity formation during solid–liquid impact
 - H. Ding, B.-Q. Chen, H.-R. Liu, C.-Y. Zhang, P. Gao & X.-Y. Lu
 - 526 A novel heat transfer switch using the yield stress
 - I. Karimfazli, I. A. Frigaard & A. Wachs

JFM Rapids (online only)

- R1 Critical slope for laminar transcritical shallow-water flows
 - O. Thual, L. Lacaze, M. Mouzouri &
 - B. Boutkhamouine

S indicates supplementary data or movies available online.

- 567 Simulation of the blooming phenomenon in forced circular jets
 - T. B. Gohil, A. K. Saha & K. Muralidhar
- 605 The decay of wall-bounded MHD turbulence at low Rm
 - A. Pothérat & K. Kornet

https://doi.org/10.1017/jfm.2015.625 Published online by Cambridge University Press

Journal of Fluid Mechanics

- 1 On the late-time behaviour of a bounded. inviscid two-dimensional flow
 - D. G. Dritschel, W. Qi & J. B. Marston
- 23 Optimal dynamo action by steady flows confined to a cube
 - L. Chen, W. Herreman & A. Jackson
- 46 Conjugated liquid layers driven by the short-wavelength Bénard-Marangoni instability: experiment and numerical simulation
 - I. Neiati, M. Dietzel & S. Hardt
- 72 Mechanism of frequency lock-in in vortex-induced vibrations at low Reynolds numbers
 - W. Zhang, X. Li, Z. Ye & Y. Jiang
- S 103 Three-dimensional effects on flag flapping dynamics
 - S. Banerjee, B. S. H. Connell & D. K. P. Yue
 - 137 Microstructured optical fibre drawing with active channel pressurisation
 - M. J. Chen, Y. M. Stokes, P. Buchak, D. G. Crowdy & H. Ebendorff-Heidepriem
 - 166 Frequency-wavenumber mapping in turbulent shear flows
 - R. de Kat & B. Ganapathisubramani
 - 191 Density-ratio effects on the capture of suspended particles in aquatic systems A. Espinosa-Gayosso, M. Ghisalberti, G. N. Ivey & N. L. Jones
 - 211 Waves in Newton's bucket J. Mougel, D. Fabre & L. Lacaze

Contents continued on inside back cover.

- 251 Oscillatory superfluid Ekman pumping in helium II and neutron stars C. A. van Evsden
- S 283 Homoclinic snaking near the surface instability of a polarisable fluid D. J. B. Lloyd, C. Gollwitzer, I. Rehberg & R. Richter
 - 306 Wake-induced 'slaloming' response explains exquisite sensitivity of seal whisker-like
 - H. R. Beem & M. S. Triantafyllou
 - 323 A CFD-informed quasi-steady model of flapping-wing aerodynamics T. Nakata, H. Liu & R. J. Bomphrey
- S 344 Dynamics of non-circular finite-release gravity currents N. Zgheib, T. Bonometti & S. Balachandar
 - 379 Evolution of zero-pressure-gradient boundary layers from different tripping conditions I. Marusic, K. A. Chauhan, V. Kulandaivelu & N. Hutchins
 - 412 Exact two-dimensionalization of rapidly rotating large-Reynolds-number flows B. Gallet
- S 448 Pressure fluctuations and interfacial robustness in turbulent flows over superhydrophobic surfaces
 - J. Seo, R. García-Mayoral & A. Mani
 - 474 Large-Reynolds-number asymptotics of the streamwise normal stress in zero-pressure-gradient turbulent boundary layers
 - P. A. Monkewitz & H. M. Nagib



