

Journal  
Journal

of the Institute of Mathematics of Jussieu  
de l'Institut de Mathématiques de Jussieu

JM

JULY 2024 | VOLUME 23 | ISSUE 4 | ISSN 1474-7480



CAMBRIDGE  
UNIVERSITY PRESS

**Editor**

Yves André  
Institut de Mathématiques de Jussieu  
4 place Jussieu  
Boite Courrier 247  
75252 Paris  
France  
yves.andre@imj-prg.fr

**Editorial Board**

J. Ayoub  
R. Beuzart-Plessis  
O. Biquard  
V. Blomer  
S. Boucksom  
A. Cadoret  
A. Chiodo  
C. Consani  
C. Debord  
D. Gerard-Varet  
S. Gouëzel  
C. Houdayer  
C. Mouhot  
V. Pilloni  
S. Rideau-Kikuchi  
C. Sabot  
B. Schraën  
M. Varagnolo  
G. Vezzosi  
C. Voisin  
W. Zhang

Subscriptions. Journal of the Institute of Mathematics of Jussieu (ISSN 1474-7480) is published in January, March, May, July, September and November. Six parts form a volume. The subscription price which includes electronic access of volume 23 (2024) (including postage) is £581 net (USA, Canada and Mexico US\$1009). Prices include delivery by air where appropriate. Single parts cost £114 (USA, Canada and Mexico US\$202) plus postage. The electronic-only price available to institutional subscribers is £478 (US\$852 in USA, Canada and Mexico). The print-only price available to institutional subscribers is £596 (US\$1054 in USA, Canada and Mexico).

Orders, which must be accompanied by payment, may be sent to any bookseller, subscription agent or direct to the publisher: Cambridge University Press, Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK, or in the USA, Canada and Mexico: Cambridge University Press, Journals Fulfillment Department, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA. EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from Kinokuniya Company Ltd., P.O. Box 55, Chitose, Tokyo 156, Japan.

Copying. This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organisations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of U.S. Copyright law) subject to payment to C.C.C. of the per-copy fee of \$16.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 1474-7480/18 \$16.00.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19104, USA, is authorised to supply single copies of separate articles for private use only.

Organizations authorised by the Copyright Licensing Agency may also copy material subject to the usual conditions.

For all other use, permission should be sought from Cambridge University Press.

For further information on Journal of the Institute of Mathematics of Jussieu or other Cambridge titles access [www.journals.cambridge.org](http://www.journals.cambridge.org) or [www.cambridge.org](http://www.cambridge.org).

This journal issue has been printed on FSC<sup>TM</sup>-certified paper and cover board. FSC is an independent, nongovernmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see [www.fsc.org](http://www.fsc.org) for information.

© Cambridge University Press & Assessment 2024