

Canadian
Mathematical

Bulletin

canadien de
mathématiques

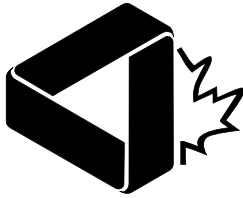
2024, 67/2
June / juin



Canadian Mathematical Society
Société mathématique du Canada



CAMBRIDGE
UNIVERSITY PRESS



CANADIAN MATHEMATICAL BULLETIN

BULLETIN CANADIEN DE MATHÉMATIQUES

EDITORS-IN-CHIEF / RÉDACTEURS-EN-CHEF

Antonio Lei & Javad Mashreghi

Département de mathématiques et de statistique

Université d'Ottawa & Université Laval

cmb-editors@cms.math.ca / bcm-redacteurs@smc.math.ca

ASSOCIATE EDITORS / RÉDACTEURS ASSOCIÉS

Fabrizio Andreatta
Università degli Studi di Milano

Lia Bronsard
McMaster University

Jingyi Chen
University of British Columbia

Michelle Delcourt
Toronto Metropolitan University

Ailana Fraser
University of British Columbia

Alex Iosevich
University of Rochester

Joel Kamnitzer
McGill University

Monika Ludwig
TU Wien

Robert Osburn
University College Dublin

Malabika Pramanik
University of British Columbia

Alistair Savage
University of Ottawa

Shawn XianFu Wang
University of British Columbia

Hans Boden
McMaster University

Lucy Campbell
Carleton University

Benoit Collins
Kyoto University

Shaun Fallat
University of Regina

Philippe Gille
CNRS & Université Claude-Bernard-Lyon-1

Dmitry Jakobson
McGill University

Chris Kapulkin
Western University

Rahim Moosa
University of Waterloo

Dmitry Panchenko
University of Toronto

Frédéric Rochon
Université du Québec à Montréal

Valentino Tosatti
McGill University

Deping Ye
Memorial University

Kathrin Bringmann
University of Cologne

Guillaume Chapuy
Université Paris-Diderot

Octav Cornea
Université de Montréal

Ilijas Farah
York University

Slim Ibrahim
University of Victoria

Michael Jury
University of Florida

Matilde Lalin
Université de Montréal

Monica Nevins
University of Ottawa

Julia Plavnik
Indiana University - Bloomington

William Ross
University of Richmond

Liam Watson
University of British Columbia

Yingfei Yi
University of Alberta

© Canadian Mathematical Society / Société mathématique du Canada, 2024

All rights reserved / tous droits réservés

Suite 209, 1725 St. Laurent Blvd., Ottawa, ON K1G 3V4

ISSN 0008-4395 (Print / imprimé), 1496-4287 (Online / électronique)

Printed by Sheridan, a CJK Group Company.

The geometric figure on the cover, a four-dimensional polytope, was redrawn from the inside cover page of the celebrated book 'Regular Polytopes' by Harold Scott MacDonal^d Coxeter (1907–2003), one of the greatest geometers of the 20th century. Coxeter, a Fellow of the Royal Society of Canada and a Fellow of the Royal Society (London), joined the University of Toronto in 1936 and worked there enthusiastically for 60 years. Since 1978, the Canadian Mathematical Society has awarded the Coxeter-James Prize in his honor.

La figure géométrique sur la couverture, un polytope en dimension quatre, a été reprise du plat intérieur du célèbre ouvrage 'Regular Polytopes' de Harold Scott MacDonal^d Coxeter (1907–2003), l'un des plus grands géomètres du XX^e siècle. Membre de la Société royale du Canada et de la Royal Society (Londres), H.M.S. Coxeter s'est joint au corps professoral de l'Université de Toronto en 1936, où il a travaillé avec enthousiasme pendant 60 ans. Depuis 1978, la Société mathématique du Canada décerne le prix Coxeter-James en son honneur.

265	Problems for generalized Monge–Ampère equations	<i>Cristian Enache and Giovanni Porru</i>
279	Every symmetric Kubo–Ando connection has the order-determining property	<i>Emmanuel Chetcuti and Curt Healey</i>
289	Convexity of the radial sum of a star body and a ball	<i>Shigehiro Sakata</i>
304	On theorems of Fermat, Wilson, and Gegenbauer	<i>Heng Huat Chan, Song Heng Chan, Teoh Guan Chua, and Cheng Yeaw Ku</i>
318	Piecewise contracting maps on the interval: Hausdorff dimension, entropy, and attractors	<i>Alfredo E. Calderón and Edgardo Villar-Sepúlveda</i>
328	On the metric dimension of circulant graphs	<i>Rui Gao, Yingqing Xiao, and Zhanqi Zhang</i>
338	A new upper bound for the asymptotic dimension of RACGs	<i>Panagiotis Tselekidis</i>
350	Ramanujan-type series for $\frac{1}{\pi}$, revisited	<i>Dongxi Ye</i>
369	A new lower bound in the <i>abc</i> conjecture	<i>Curtis Bright</i>
379	Bounded cohomology is not a profinite invariant	<i>Daniel Echtler and Holger Kammeyer</i>
391	Universal spaces for asymptotic dimension via factorization	<i>Jerzy Dydak, Michael Levin, and Jeremy Siegert</i>
403	Some results on various types of compactness of weak* Dunford–Pettis operators on Banach lattices	<i>Redouane Nouira and Belmesnaoui Aqzzouz</i>
415	Bregman distance regularization for nonsmooth and nonconvex optimization	<i>Zeinab Mashreghi and Mostafa Nasri</i>
425	Eisenstein congruences among Euler systems	<i>Ó. Rivero and V. Rotger</i>
447	Norms on complex matrices induced by random vectors II: extension of weakly unitarily invariant norms	<i>Ángel Chávez, Stephan Ramon García, and Jackson Hurley</i>
458	Linear fractional self-maps of the unit ball	<i>Michael R. Pilla</i>
469	Remarks on Naimark dilation theorem	<i>Sergiusz Kuźel</i>
478	Selection principles and proofs from the Book	<i>Boaz Tsaban</i>

493	Topological stability for homeomorphisms with global attractor	<i>Carlos Arnoldo Morales and Nguyen Thanh Nguyen</i>
504	Truncations of generalized shift-invariant systems	<i>Ole Christensen, Pablo Garcia Alvarez, and Rae Young Kim</i>
516	Moore's conjecture for connected sums	<i>Stephen Theriault</i>