

Canadian
Mathematical

Bulletin

canadien de
mathématiques

2023, 66/4

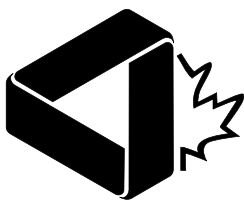
December / décembre



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
University of Waterloo

Ailana Fraser
University of British Columbia

Dmitry Jakobson
McGill University

Erwin Lutwak
Courant Institute

Dmitry Panchenko
University of Toronto

Frédéric Rochon
Université du Québec à Montréal

Valentino Tosatti
McGill University

Jianhong Wu
York University

Hans Boden
McMaster University

Lucy Campbell
Carleton University

Benoît Collins
Kyoto University

Shaun Fallat
University of Regina

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

Joel Kamnitzer
University of Toronto

Rahim Moosa
University of Waterloo

Julia Plavnik
Indiana University - Bloomington

William Ross
University of Richmond

Shawn XianFu Wang
University of British Columbia

Kathrin Bringmann
University of Cologne

Guillaume Chapuy
Université Paris-Diderot

Octav Cornea
Université de Montréal

Ilijas Farah
York University

Alex Iosevich
University of Rochester

Matilde Lalin
Université de Montréal

Robert Osburn
University College Dublin

Malabika Pramanik
University of British Columbia

Alistair Savage
University of Ottawa

Daniel Wise
McGill University

© Canadian Mathematical Society / Société mathématique du Canada, 2023

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)

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 MacDonald 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 MacDonald Coxeter (1907–2003), l'un des plus grands géomètres du XXe 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.

1073	New characterizations of the unit vector basis of c_0 or ℓ_p	<i>Peter G. Casazza, Stephen J. Dilworth, Denka Kutzarova, and Pavlos Motakis</i>
1084	On homogeneity of Cantor cubes	<i>E. Shchepin and V. Valov</i>
1091	Concordance of spatial graphs	<i>Egor Lappo</i>
1109	A note on weight systems which are quantum states	<i>Carlo Collari</i>
1122	The error term in the truncated Perron formula for the logarithm of an L -function	<i>Stephan Ramon Garcia, Jeffrey Lagarias, and Ethan Simpson Lee</i>
1135	Mean value of real Dirichlet characters using a double Dirichlet series	<i>Martin Čech</i>
1152	A note on the smooth blowups of $\mathbb{P}(1, 1, 1, k)$ in torus-invariant subvarieties	<i>Daniel Cavey</i>
1164	A result on the c_2 invariant for powers of primes	<i>Maria S. Esipova and Karen Yeats</i>
1179	On the effective, nef, and semi-ample monoids of blowups of Hirzebruch surfaces at collinear points	<i>Brenda Leticia de la Rosa-Navarro, Juan Bosco Frías-Medina, and Mustapha Lahyane</i>
1194	Level compatibility in Sharifi's conjecture	<i>Emmanuel Lecouturier and Jun Wang</i>
1213	Composition operators on weighted analytic spaces	<i>Marouane Bourass, Ibrahim Marrhich, and Fouzia Mkadmi</i>
1231	Toric degenerations of low-degree hypersurfaces	<i>Nathan Iiten and Oscar Lautsch</i>
1237	Base matrices of various heights	<i>Jörg Brendle</i>
1244	A note on the column–row property	<i>Samya Kumar Ray and Srijan Sarkar</i>
1255	Irrational braided generalized near-groups	<i>Andrew Schopieray</i>
1269	Improved Bloch and Landau constants for meromorphic functions	<i>Bappaditya Bhowmik and Sambhunath Sen</i>
1274	Strong Shannon–McMillan–Breiman's theorem for locally compact groups	<i>Behrang Forghani and May Nguyen</i>
1280	An energy decomposition theorem for matrices and related questions	<i>Ali Mohammadi, Thang Pham, and Yiting Wang</i>

1296	Examples of exponential bases on union of intervals	<i>Oleg Asipchuk and Vladyslav Drezels</i>
1313	Product decompositions of moment-angle manifolds and B -rigidity	<i>Steven Amelotte and Benjamin Briggs</i>
1326	Linear preservers on idempotents of Fourier algebras	<i>Ying-Fen Lin and Shiho Oi</i>
1341	Uniform bound on the number of partitions for optimal configurations of the Ohta–Kawasaki energy in 3D	<i>Xin Yang Lu and Jun-cheng Wei</i>
1354	Linear equivalence of scattered metric spaces	<i>Jan Baars</i>
1368	From the Ideal Theorem to the class number	<i>Olivier Bordellès</i>
1376	On the condition number of a Kreiss matrix	<i>Stéphane Charpentier, Karine Fouchet, and Rachid Zarouf</i>
1391	The Łojasiewicz exponent of nondegenerate surface singularities	<i>Szymon Brzostowski, Tadeusz Krasieński, and Grzegorz Oleksik</i>
1411	Bohr operator on operator-valued polyanalytic functions on simply connected domains	<i>Vasudevarao Allu and Himadri Halder</i>