

Canadian
Mathematical

Bulletin

canadien de
mathématiques

2023, 66/3

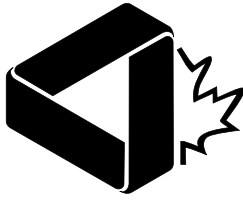
September / septembre



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

Shaun Fallat
University of Regina

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

Joel Kamnitzer
University of Toronto

Rahim Moosa
University of Waterloo

Malabika Pramanik
University of British Columbia

Alistair Savage
University of Ottawa

Daniel Wise
McGill University

Hans Boden
McMaster University

Lucy Campbell
Carleton University

Benoît Collins
Kyoto University

Ilijas Farah
York University

Alex Iosevich
University of Rochester

Matilde Lalin
Université de Montréal

Robert Osburn
University College Dublin

Frédéric Rochon
Université du Québec à Montréal

Valentino Tosatti
McGill University

Jianhong Wu
York University

Kathrin Bringmann
University of Cologne

Guillaume Chapuy
Université Paris-Diderot

Octav Cornea
Université de Montréal

Ailana Fraser
University of British Columbia

Dmitry Jakobson
McGill University

Erwin Lutwak
Courant Institute

Julia Plavnik
Indiana University - Bloomington

William Ross
University of Richmond

Shawn XianFu Wang
University of British Columbia

© 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.

701	Metrizability of Holonomy Invariant Projective Deformation of Sprays	<i>S. G. Elgendi and Zoltán Muzsnay</i>
715	Twisted algebras of geometric algebras	<i>Masaki Matsuno</i>
731	Decidability problem for exponential equations in finitely presented groups	<i>Oleg Bogopolski and Aleksander Ivanov</i>
749	Cyclic inner functions in growth classes and applications to approximation problems	<i>Bartosz Malman</i>
761	Curvature functionals on convex bodies	<i>Kateryna Tatarko and Elisabeth M. Werner</i>
780	Słociński–Wold decompositions for row isometries	<i>Adam H. Fuller</i>
791	Square roots of weighted shifts of multiplicity two	<i>Chanaka Kottegoda, Trieu Le, and Tomas Miguel Rodriguez</i>
808	Norms on complex matrices induced by random vectors	<i>Ángel Chávez, Stephan Ramon Garcia, and Jackson Hurley</i>
827	Hyperbolically embedded subgroups and quasi-isometries of pairs	<i>Sam Hughes and Eduardo Martínez-Pedroza</i>
844	Projective freeness and stable rank of algebras of complex-valued BV functions	<i>Alexander Brudnyi</i>
854	Magnitude and Holmes–Thompson intrinsic volumes of convex bodies	<i>Mark W. Meckes</i>
868	Sequential and distributive forcings without choice	<i>Asaf Karagila and Jonathan Schilhan</i>
881	Mahler measure of polynomial iterates	<i>Igor Pritsker</i>
886	A note on cyclic vectors in Dirichlet-type spaces in the unit ball of \mathbb{C}^n	<i>Dimitrios Vavitsas</i>
903	The complexity of higher Chow groups	<i>Genival Da Silva Jr and James D. Lewis</i>
912	Second-order estimates for collapsed limits of Ricci-flat Kähler metrics	<i>Kyle Broder</i>
927	Invariant means on weakly almost periodic functionals with application to quantum groups	<i>Ali Ebrahimzadeh Esfahani, Mehdi Nemat, and Mohammad Reza Ghanei</i>
937	Characterizing slopes for the $(-2,3,7)$ -pretzel knot	<i>Duncan McCoy</i>

951	A multiplicative Kowalski–Ślodkowski theorem for C^* -algebras	<i>Cheick Touré, Rudi Brits, and Geethika Sebastian</i>
959	Invariant ideals and their applications to the turnpike theory	<i>Musa Mammadov and Piotr Szuca</i>
976	A parametrization of sheets of conjugacy classes in bad characteristic	<i>Filippo Ambrosio, Giovanna Carnovale, and Francesco Esposito</i>
984	Determining sets for holomorphic functions on the symmetrized bidisk	<i>Bata Krishna Das, Poornendu Kumar, and Haripada Sau</i>
997	Quasisymmetric harmonics of the exterior algebra	<i>Nantel Bergeron, Kelvin Chan, Farhad Soltani, and Mike Zabrocki</i>
1014	Bohr–Rogosinski radius for a certain class of close-to-convex harmonic mappings	<i>Molla Basir Ahamed and Vasudevarao Allu</i>
1030	Optimization of the anisotropic Cheeger constant with respect to the anisotropy	<i>Enea Parini and Giorgio Saracco</i>
1044	Fourier transformable measures with weak Meyer set support and their lift to the cut-and-project scheme	<i>Nicolae Strungaru</i>
1061	Perfectly packing a cube by cubes of nearly harmonic sidelength	<i>Rory McClenagan</i>