

# ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 50

2020

Number 4

---

Constructions of full diversity $D_n$ -lattices for all $n$ ROBSON R. DE ARAUJO AND GRASIELE C. JORGE .....	1137
Infinitely many solutions for problems in fractional Orlicz–Sobolev spaces SABRI BAHROUNI .....	1151
Edge Metric Dimension of $k$ multiwheel graph MOHAMMAD S. BATAINEH, NIDA SIDDIQUI AND ZAHID RAZA .....	1175
Radical subgroups and the inductive blockwise Alperin weight conditions for $\mathrm{PSP}_4(q)$ JULIAN BROUGH AND A. A. SCHAEFFER FRY .....	1181
Equivariant $KK$ -theory of $r$ -discrete groupoids and inverse semigroups BERNHARD BURGSTALLER .....	1207
Counting the number of quasiplatonic topological actions of the cyclic group on surfaces CHARLES CAMACHO .....	1221
Sequences of consecutive factoradic happy numbers JOSHUA CARLSON, EVA G. GOEDHART AND PAMELA E. HARRIS .....	1241
Generalized harmonic number sums and quasisymmetric functions KWANG-WU CHEN .....	1253
Generalized weighted Morrey spaces on RD-spaces JIAHUI CHOU, XUE LI, YAN TONG AND HAIBO LIN .....	1277
Representations of $C^*$ -algebras of row-countable graphs and unitary equivalence BEN-HUR EIDT AND DANILO ROYER .....	1295
The S-measure for algebraic integers having all their conjugates in a sector VALÉRIE FLAMMANG .....	1313
Extreme points and support points of harmonic $\alpha$ -Bloch mappings MIAOMIAO HUANG, SAMINATHAN PONNUSAMY AND JINJING QIAO .....	1323
Multiple solutions for generalized biharmonic equations with singular potential and two parameters RUITING JIANG AND CHENGBO ZHAI .....	1355
The structure of split regular BiHom-Leibniz color algebras VALIOLLAH KHALILI .....	1369
On generalized Drazin invertible linear relations MELIK LAJNEF AND MAHER MNIF .....	1387
Well-posedness of a kind of the free surface equation of shallow water waves ZHOUYU LI AND MIAOMIAO DANG .....	1409

CONTENTS CONTINUED ON LAST PAGE

Resolution of the equation $(3^{x_1} - 1)(3^{x_2} - 1) = (5^{y_1} - 1)(5^{y_2} - 1)$ KÁLMÁN LIPTAI, LÁSZLÓ NÉMETH, GÖKHAN SOYDAN AND LÁSZLÓ SZALAY .....	1425
Time-dependent attractor of the plate equation with nonlinear damping and linear memory TINGTING LIU AND QIAOZHEN MA .....	1435
Real zeros of random trigonometric polynomials with pairwise equal blocks of coefficients ALI PIRHADI .....	1451
Alternative summation orders for the Eisenstein series $G_2$ and Weierstrass $\wp$ -function DAN ROMIK AND ROBERT SCHERER .....	1473
A note on the operator Bellman inequality SHIVA SHEYBANI, MOHSEN ERFANIAN OMI DVAR AND MAHNAZ KHANEHGIR .....	1483
The 2-fold Bailey lemma and mock theta functions ZHIZHENG ZHANG AND HANFEI SONG .....	1491
Local strong solutions to the nonhomogeneous Bénard system with nonnegative density XIN ZHONG .....	1497