

# ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 51

2021

Number 4

---

Jackson-type inequalities and widths of functional classes in the Musielak–Orlicz type spaces FAHREDDIN ABDULLAYEV, STANISLAV CHAICHENKO, MEERIM IMASHKYZY AND ANDRII SHIDLICH .....	1143
On the Schur–Horn problem FATEMEH ABTAHI, ZEINAB KAMALI AND ZAHRA KEYSHAMS .....	1157
An asymptotic expansion for the expected number of real zeros of Kac–Geronimus polynomials HANAN ALJUBRAN AND MAXIM L. YATTSELEV .....	1171
Confluent projections and connectedness of inverse limits WŁODZIMIERZ J. CHARATONIK AND DARIA MICHALIK .....	1189
The Busemann–Petty problem for $L_p$ -mixed radial Blaschke–Minkowski homomorphisms BIN CHEN, WEIDONG WANG AND PEIBIAO ZHAO .....	1195
Global large solution for the tropical climate model with diffusion XIA CHEN, BAOQUAN YUAN AND YING ZHANG .....	1209
Binomial sums involving Catalan numbers WENCHANG CHU AND EMRAH KILIÇ .....	1221
On subinjectivity domains of pure-injective modules YILMAZ DURĞUN .....	1227
A variant for S2 measure for algebraic integers all of whose conjugates lie in a sector VALÉRIE FLAMMANG .....	1239
Convergence of certain hybrid operators VIJAY GUPTA, CARMEN POPESCU MURARU AND VOICHIȚA ADRIANA RADU .....	1249
The Brauer indecomposability of Scott modules with wreathed 2-group vertices SHIGEO KOSHITANI AND İPEK TUWAY .....	1259
Quadratic Killing normal Jacobi operator for real hypersurfaces in the complex quadric HYUNJIN LEE AND YOUNG JIN SUH .....	1281
Euler sums of generalized alternating hyperharmonic numbers RUSEN LI .....	1299
Global strong solution to the multidimensional inhomogeneous incompressible heat conducting Navier–Stokes flows with vacuum YANG LIU, NAN ZHOU AND RENYING GUO .....	1315
$q$ -analogues of the (G.2) supercongruence of Van Hamme YUDONG LIU AND XIAOXIA WANG .....	1329

CONTENTS CONTINUED ON LAST PAGE