

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 50

2020

Number 2

Rigidity and flatness of the image of certain classes of mappings having tangential Laplacian HUSSIEN ABUGIRDA, BIRZHAN AYANBAYEV AND NIKOS KATZOURAKIS	383
Multidimensional scaling on metric measure spaces HENRY ADAMS, MARK BLUMSTEIN AND LARA KASSAB	397
Fourier transforms, fractional derivatives, and a little bit of quantum mechanics FABIO BAGARELLO	415
Asymptotic order statistics of mixtures of distributions HAROON M. BARAKAT, MOHAMED A. ABD ELGAWAD AND METWALLY A. ALAWADY ...	429
Existence of positive solutions for a new class of Kirchhoff parabolic systems SALAH BOULAAARAS	445
Some inequalities for weighted area balance via functions of bounded variation HÜSEYİN BUDAK AND EBRU PEHLIVAN	455
Sets with countably infinitely many prescribed weighted densities JÓZSEF BUKOR, FERDINÁND FILIP AND JÁNOS T. TÓTH	467
Meromorphic solutions of two certain types of nonlinear differential equations WEI CHEN, QIONG WANG AND WENJUN YUAN	479
On sets with more products than quotients HÙNG VIỆT CHU	499
Congruences for ℓ -regular partitions and bipartitions SU-PING CUI AND NANCY S. S. GU	513
Existence of global solutions for a weakly coupled system of semilinear viscoelastic damped σ -evolution equations TUAN ANH DAO	527
Nonlinear $*$ -Jordan triple derivation on prime $*$ -algebras VAHID DARVISH, MOJTABA NOURI, MEHRAN RAZEGHI AND ALI TAGHAVI	543
A decomposition of $\zeta(2n+3)$ into sums of multiple zeta values MINKING EIE, WEN-CHIN LIAW AND YAO LIN ONG	551
Some control problems for the Burgers equation PENG GAO	559
Conservation of the number of zeros of entire functions inside and outside a circle under perturbations MICHAEL GIL'	583

CONTENTS CONTINUED ON LAST PAGE

A dual of colored tilings terminating sums MATKO GLUNČIĆ, IVICA MARTINJAK AND VLADIMIR PAAR	589
Oscillatory behavior of solutions of dynamic equations of higher order on time scales TAHER S. HASSAN AND DONAL O'REGAN	599
The Cohen type theorem and the Eakin–Nagata type theorem for S -Noetherian rings revisited DONG KYU KIM AND JUNG WOOK LIM	619
Applications of Bergman representative coordinates STEVEN G. KRANTZ	631
Convergence of a class of Schrödinger equations DAN LI AND HAIXIA YU	639
Some properties of solutions to the Riccati equations in connection with Bergman spaces JUNMING LIU AND HUAYOU XIE	651
New oscillation criteria for p -Laplacian dynamic equations on time scales SHEKHAR SINGH NEGI, SYED ABBAS, MUSLIM MALIK AND SAID R. GRACE	659
Ulrich bundles on some twisted flags SAŠA NOVAKOVIĆ	671
Wavelet frames in $L^2(\mathbb{R}^d)$ KHOLE TIMOTHY POUMAI AND SHIV KUMAR KAUSHIK	677
Mean Lipschitz conditions and growth of area integral means of functions in Bergman spaces with an admissible Békollé weight AJAY K. SHARMA AND SEI-ICHIRO UEKI	693
On the socle of a commutative ring and Zariski topology ALI TAHERIFAR	707
Ground state solutions for the periodic fractional Schrödinger–Poisson systems with critical Sobolev exponent MINGZHU YU, HAIBO CHEN AND WEIHONG XIE	719
Existence and uniqueness of monotone positive solutions for fractional higher-order BVPs MI ZHOU	733
Ekedahl–Oort strata on the moduli space of curves of genus four ZIJIAN ZHOU	747