

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 49

2019

Number 7

CONTENTS

The inversion characterizations of $C(\mathcal{L})$ for a locale \mathcal{L}
BY RICHARD N. BALL AND ANTHONY W. HAGER 2107

Wolff's ideal theorem on Q_p spaces
BY DEBENDRA P. BANJADE 2121

Qualitative behavior of a rational recursive sequence
of second order
BY E.M. ELSAYED AND A. ALGHAMDI 2135

Irreducibility of iterates of post-critically finite quadratic polynomials
over \mathbb{Q}
BY VEFA GOKSEL 2155

Improved Bellman and Aczél inequalities for operators
BY FERESHTEH HASHEMI AND ALI FAROKHINIA 2175

n -fold hyperspaces as cones
BY ALEJANDRO ILLANES, VERÓNICA MARTÍNEZ-DE-LA-VEGA
DARIA MICHALIK 2185

Multiplicity results for a fractional Schrödinger equation with potentials
BY SOFIANE KHOUTIR 2205

Subgroups of division rings
BY MARK LEWIS AND MURRAY SCHACHER 2227

Families of elliptic curves of rank ≥ 5 over $\mathbb{Q}(t)$
BY DUSTIN MOODY, MOHAMMAD SADEK AND ARMAN
SHAMSI ZARGAR 2253

Pullback diagrams and Kronecker function rings
BY LOKENDRA PAUDEL AND SIMPLICE TCHAMNA 2267

CONTENTS CONTINUED ON LAST PAGE

A comment on the combinatorics of the vertex operator $\Gamma_{(t X)}$ BY MERCEDES HELENA ROSAS	2281
Psi-class intersections on Hassett spaces for genus 0 with all weights $\frac{1}{2}$ BY NAND SHARMA	2297
A generalized conic domain and its applications to certain subclasses of analytic functions BY HARI M. SRIVASTAVA, BILAL KHAN, NAZAR KHAN, QAZI ZAHOR AHMAD AND MUHAMMAD TAHIR	2325
Existence of propagators for time-dependent Coulomb-like potentials BY ERIC STACHURA	2347
Nonexistence of Hopf hypersurfaces in complex two-plane Grassmannians with GTW parallel normal Jacobi operator BY YANING WANG	2375
The Riemann problem with delta initial data for the two-dimensional steady zero-pressure adiabatic flow BY YU ZHANG AND YANYAN ZHANG	2395
Organic combinations of quermassintegrals and dual quermassintegrals BY CHANG-JIAN ZHAO AND WING-SUM CHEUNG.....	2419
Nonstationary interpolatory subdivision schemes reproducing high-order exponential polynomials BY JIE ZHOU, HONGCHAN ZHENG, ZHAOHONG LI AND WEIJIE SONG	2429