

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 42

2012

Number 6

CONTENTS

On the rank of elliptic curves coming from rational Diophantine triples BY JULIÁN AGUIRRE, ANDREJ DUJELLA AND JUAN CARLOS PERAL	1759
Differential Fréchet *-algebras and characterization of smooth functions on \mathbf{R} BY FATIMA M. AZMI	1777
Cotorsion pairs in $C(R\text{-Mod})$ BY DIEGO BRAVO, EDGAR E. ENOCHS, ALINA C. IACOB, OVERTOUN M.G. JENDA AND JUAN RADA	1787
Connected sum at infinity and Cantrell-Stallings hyperplane unknotting BY JACK S. CALCUT, HENRY C. KING AND LAURENT C. SIEBENMANN	1803
Test groups for Whitehead groups BY PAUL C. EKLOF, LÁSZLÓ FUCHS AND SAHARON SHELAH	1863
Real zeros of three different cases of polynomials with random coefficients BY K. FARAHMAND AND T. LI	1875
Polynomials and Weyl algebras on time scales BY MARKUS HUNZIKER AND MARK R. SEPANSKI	1893
Bi-generic Hopf algebras in characteristic p BY ALAN KOCH	1919
On the cardinality of star operations on a pseudo-valuation domain BY MI HEE PARK	1939
Normal numbers from Steinhaus's viewpoint BY DANIEL PELLEGRINO	1953

CONTENTS CONTINUED ON LAST PAGE

A geometric interpretation and explicit form for higher-order Hankel operators BY BENJAMIN PITTMAN-POLLETTA	1967
Existence of positive periodic solutions in neutral nonlinear equations with functional delay BY YOUSSEF N. RAFFOUL	1983
Peculiarities in power type comparison results for half-linear dynamic equations BY PAVEL ŘEHÁK	1995
Nonlinear ellipticity on unbounded domains BY VICTOR L. SHAPIRO	2015
Prime factor rings of skew polynomial rings over a commutative Dedekind domain BY Y. WANG, A.K. AMIR AND H. MARUBAYASHI.....	2055
<i>V</i> -Gorenstein projective, injective and flat modules BY XIAOYAN YANG AND ZHONGKUI LIU	2075
Index	2099