ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 36 2006 Number 2

CONTENTS

A Fourth-Order Four-Point Right Focal Boundary Value Problem
By Douglas R. Anderson and Richard I. Avery 367

Regular Components of Moduli Spaces of Stable Maps and K-Gonal Curves
By E. Ballico 381

A Simpler Fubini Proof
By H.S. Bear 391

Φ-Inequalities of Noncommutative Martingales
By Turdebek N. Bekjan 401

Points at Rational Distances on a Parabola
By Ajai Choudhry 413

Moufang Loops that Share Associator and Three Quarters of Their Multiplication Tables
By Aleš Drápal and Petr Vojtěchovský 425

Integrability of Planar Polynomial Differential Systems through Linear Differential Equations
By H. Giacomini, J. Giné and M. Grau 457

A Note on Riesz Bases of Eigenvectors for a Class of Nonanalytic Operator Functions
By M. Hasanov, B. Ünalmış Uzun and N. Çolakoğlu 487

Power Subgroups of Some Hecke Groups
By Sebahattin Ikikardes, Özden Koruoğlu and Recep Sahin 497

L^p Estimates for Rough Singular Integrals Associated to Some Hypersurfaces
By Eunhee Koh 509

Periodic Solutions and Asymptotic Behavior of a PDE with Hysteresis in the Source Term
By Jana Kopfová 539

Compactoidness
By Iwo Labuda 555

CONTENTS CONTINUED ON LAST PAGE

The Norm Theorem for Totally Singular Quadratic Forms
By Ahmed Laghribi 575

A Peano-Akô Type Theorem for Variational Inequalities
By Vy Khoi Le 593

Robust Global Exponential Stability of Linear Impulsive Systems with Time-Varying Delay and Uncertainty
By Bin Liu and Xinzhi Liu 615

Diophantine Approximations and a Problem from the 1988 IMO
By F. Luca, C.F. Osgood and P.G. Walsh 637

Existence and Behavior of Solutions of the Rational Equation
By L.C. McGrath and C. Teixeira 649

An Isoperimetric Inequality for Riesz Capacities
By Pedro J. Méndez-Hernández 675

Fully and Strongly Almost Summing Multilinear Mappings
Daniel M. Pellegrino and Marcela L.V. Souza 683

Generalized Version of the Characteristic Number of Two Simultaneous Pell's Equations
By A.M.S. Ramasamy 699

Representation Results for Operators Generated by Quasi-Differential Multi-Interval System in a Hilbert Direct Sum Space
By Maksim Sokolov 721

A Characterization of Boundary Conditions for Regular Sturm-Liouville Problems which Have the Same Lowest Eigenvalues
By Guangsheng Wei and Zongben Xu 741