

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 34

Winter 2004

Number 4

CONTENTS

A Note on Moments of Scaling Functions BY F. BASTIN AND S. NICOLAY	1197
Hypercyclic and Chaotic Convolution Operators on Chébli-Trimèche Hypergroups BY J.J. BETANCOR, J.D. BETANCOR AND J.M.R. MÉNDEZ	1207
Oscillation of Second Order Nonlinear Dynamic Equations on Time Scales BY M. BOHNER AND S.H. SAKER	1239
Plane Curves with Many Points over Finite Fields BY MATTHEW L. CARLIN AND JOSÉ FELIPE VOLOCH	1255
Explicit Estimates for the Riemann Zeta Function BY YUANYOU F. CHENG AND SIDNEY W. GRAHAM	1261
Symmetric Diophantine Equations BY AJAI CHOUDHRY	1281
Selection of Slow Diffusion in a Reaction Diffusion Model: Limiting Cases BY GILBERTO FLORES AND KONSTANTIN MISCHAIKOW	1299
Extreme Points and the Diameter Norm BY JUAN J. FONT AND MANUEL SANCHIS	1325
Approximation in Non-Asplund Spaces BY R. FRY	1333
A Note on a Class of Rings Found as G_a -Invariants for Locally Trivial Actions on Normal Affine Varieties BY KRISTOFER D. JORGENSEN	1343
Every Absolutely Henstock-Kurzweil Integrable Function Is McShane Integrable: An Alternative Proof BY LEE TUO-YEONG	1353
How Smooth Is $\phi(2^n + 3)$? BY FLORIAN LUCA	1367
Real Genus 12 BY BEATA MOCKIEWICZ	1391

CONTENTS CONTINUED ON LAST PAGE

Boundary Value Problems in Oscillating Cuspidal Wedges BY V. RABINOVICH, B.-W. SCHULZE AND N. TARKHANOV	1399
On Transformation Laws for Theta Functions BY OLAV K. RICHTER	1473
Frobenius Classes in Alternating Groups BY DAVID P. ROBERTS	1483
Exponential Function Analogue of Kloosterman Sums BY IGOR E. SHPARLINSKI	1497
A Characterization of Strongly Weakly Compactly Generated Banach Spaces BY DAVE SOBECKI	1503
A Fix-Finite Approximation Theorem BY ABDELKADER STOUTI	1507
Oscillation Criteria of Kneser-Hille Type for Second-Order Differential Equations with Nonlinear Perturbed Terms BY JITSURO SUGIE	1519
Interval Oscillation Criteria for Second Order Nonlinear Delay Differential Equations BY QIGUI YANG AND RONALD M. MATHSEN	1539
Geometric Constructions on Cycles BY BORUT JURČIČ ZLOBEC AND NEŽA MRAMOR KOSTA	1565
Volume Index for Volume 34	1587