ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 31 Winter 2001 Number 4

CONTENTS

The Equivariant Category of Proper $G$-Spaces
By R. Ayala, F.F. Lasheras and A. Quintero .................. 1111

When the Family of Functions Vanishing at Infinity
Is an Ideal of $C(X)$
By F. Azarpanah and T. Soundararajan ....................... 1133

Families of Maximal Subbundles of Stable
Vector Bundles on Curves
By Edoardo Ballico and Barbara Russo ....................... 1141

An Improvement on a Theorem of the
Goldbach-Waring Type
By Claus Bauer ........................................... 1151

Hankel Transformation and Hankel Convolution of
Tempered Beurling Distributions
By M. Belhadj and J.J. Betancor ....................... 1171

A Degree of Nonlocal Connectedness
By Janusz J. Charatonik and Wlodzimierz Charatonik .... 1205

Extended Riemann Zeta Functions
By M. Aslam Chaudhry, Asghar Qadir,
M.T. Boudjelkha, M. Rafique and S.M. Zubair ........ 1237

Jacobi Forms and Generalized RC-Algebras
By Youngju Choie and Wolfgang Eholzer ........... 1265

A Relation between Small Amplitude and
Big Limit Cycles
By Armengol Gasull and Joan Torregrosa ............. 1277

Harmonic Besov Spaces on the Unit Ball in $\mathbb{R}^n$
By Miroljub Jevtić and Miroslav Pavlović ............ 1305

Polynomial First Integrals of Quadratic Systems
By Jaume Llibre and Xiang Zhang .................. 1317

The Cartesian Closed Topological Hull of the
Category of Approach Uniform Spaces
By Mark Nauwelaerts ................................. 1373

CONTENTS CONTINUED ON BACK PAGE
Some of the Properties of the Sequence
of Powers of Prime Numbers
BY LAURENȚIU PANAITOPOL .............................. 1407

Minimal Presentations of Full Subsemigroups of \( \mathbb{N}^2 \)
BY J.C. ROSALES AND P.A. GARCÍA-SÁNCHEZ .................. 1417

Recursive Sequences and Faithfully Flat Extensions
BY HANS SCHOUTENS .......................................... 1423

Upper and Lower Solutions Method for Even Order
Two Point Boundary Value Problems
BY STANISLAW SĘDZIWY .................................... 1429

Volume Index for Volume 31 ................................. 1435