ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 22  Summer 1992  Number 3

CONTENTS

On an Inequality for Nondecreasing Sequences
By Horst Alzer ............................................ 801

Nonhomogeneity of Powers of Core Images
By Murray G. Bell ........................................... 805

On Suborders of Primary Abelian Groups
By Khalid Benabdallah and Takashi Okuyama .............. 813

New Proofs for Two Infinite Product Identities
By Richard Blecksmith, John Brillhart and Irving Gerst .... 819

An Integral Inequality of an Intrinsic Measure on
Bounded Domains in \( C^n \)
By Wing-Sum Cheung and B. Wong ............................. 825

Almost Periodic Functionals on Banach Algebras
By J. Duncan and A. Uğer .................................. 837

Regular Lattices and Weakly Replete Lattices
By George M. Eidi ........................................... 849

On the Power Polynomial \( \pi^d \) over Galois Rings
By Javier Gomez-Calderon .................................. 861

Subordination Families
By D.J. Hallenbeck .......................................... 867

Nonself-adjoint Differential Operators in Direct
Sum Spaces
By Sobhy E. Ibrahim ......................................... 877

Paracompactness in Perfect, Locally Lindelöf Spaces
By Nobuyuki Kuroto .......................................... 917

A Congruence for \( \mathcal{G}_N \) \( (n) \)
By Louis Worthy Kolisch .................................... 935

\( l^{p,q}_\infty \) Has a Complemented Subspace
Isomorphic to \( l^2 \)
By Denny H. Leung .......................................... 943

A Note on Orthogonal Polynomials
By Xin Li .................................................. 953

No Continuum in \( E^2 \) Has the TMP;
II. Triodic Continua
By L. D. Loveland .......................................... 957

CONTENTS CONTINUED ON BACK PAGE
Melnikov's Method, Stochastic Layers and Nonintegrability of a Perturbed Duffing-Oscillator
By L. M. Perko ................................................................. 973
Spaces on Which Unconditionally Converging Operators are Weakly Completely Continuous
By Paulette Saab and Brenda Smith ................................. 1001
Meager-nowhere Dense Games (I): n-tactics
By Marion Scheepers ...................................................... 1011
On Strong Lifting Compactness for the Weak* Topology
By W. Strauss ................................................................. 1057
The Swap Conjecture
By Raymond F. Tennant and Edward C. Turner ................. 1083
Separation Theorems for Nonselfadjoint Differential Systems
By E. C. Tomastik ............................................................ 1097
On Isomorphism of Group Algebras of Torsion
Abelian Groups
By William Ullery .......................................................... 1111
On Continued Fraction $K(\alpha_n/1)$, Where All $\alpha_n$
Are Lying on a Cartesian Oval
By Haakon Waadeland ..................................................... 1123
Equivariant Path Fields on G-complexes
By Peter Wong ............................................................... 1139
Topological Types of Seven Classes of Isolated
Singularities with $C^*$-action
By Yihong Xu and Stephen S.-T. Yau .............................. 1147