

Real Analysis

E X C H A N G E

- i Editorial Message
- ii Conference Announcements

TOPICAL SURVEYS

- 1 Zoltán Buczolich
Almost Everywhere Convergence of
Ergodic Averages

RESEARCH ARTICLES

- 17 Andrei E. Ghenciu
Gauss-like Continued Fraction Systems
and their Dimension Spectrum
- 29 Luca Motto Ros
A New Characterization of Baire Class 1
Functions
- 49 René Erlín Castillo and Eduard Trousselot
on Functions of (p, α) -Bounded
Variation
- 61 Michelle L. Knox
Conditional Completeness of $C(X, \mathbb{R}_+)$ for
Weak P -spaces \mathbb{R}_+
- 69 Ursula M. Molter and Leandro Zuberman
A Fractal Plancherel Theorem
- 87 N. D. Chakraborty and Santwana Basu
Spaces of p -Tensor Integrable Functions
and Related Banach Space Properties

Continued on back cover . . .

VOLUME 34 NO.1 2008-09
REAL ANALYSIS
EXCHANGE

CONTENTS

EDITORIAL MESSAGE	i
CONFERENCE ANNOUNCEMENTS	ii
TOPICAL SURVEYS	
Zoltán Buczolich	
Almost Everywhere Convergence of Ergodic Averages	1
RESEARCH ARTICLES	
Andrei E. Ghenciu	
Gauss-like Continued Fraction Systems and their	
Dimension Spectrum	17
Luca Motto Ros	
A New Characterization of Baire Class 1 Functions	29
René Erlín Castillo and Eduard Trousselot	
On Functions of (p, α) -Bounded Variation	49
Michelle L. Knox	
Conditional Completeness of $C(X, \mathbb{R}_\tau)$ for Weak P -spaces \mathbb{R}_τ	61
Ursula M. Molter and Leandro Zuberan	
A Fractal Plancherel Theorem	69
N. D. Chakraborty and Santwana Basu	
Spaces Of p -Tensor Integrable Functions and Related	
Banach Space Properties	87
Rafał Zduńczyk	
Unilateral \mathbb{I} -approximate Limits of Real Functions	105
Krzysztof Płotka	
Darboux-like Functions within the Class of Hamel Functions	115
Thomas Fowler and David Preiss	
A Simple Proof of Zahorski's Description of	
Non-Differentiability Sets of Lipschitz Functions	127
INROADS	
Robert W. Vallin	
The Pointwise Limit of Separately Continuous Functions	139
Russell A. Gordon	
Peano differentiation via integration	147

Keith Neu	
A Few Results on Archimedean Sets	157
A. Boccuto, D. Caneloro, B. Riečan	
Abstract Generalized Kurzweil-Henstock-Type Integrals for Riesz Space-Valued Functions	171
Alexandru Mihail	
On the Connectivity of Attractors of Iterated Multifunction Systems	195
Tomasz Natkaniec	
On Extendable Derivations	207
Enrico Zoli	
On a Zero-Infinity Law of Olsen	215
S. S. Volosivets	
Fourier Coefficients and Generalized Lipschitz Classes	219
M. G. Grigoryan, A. A. Sargsyan and R. E. Zink	
Greedy Approximation in Certain Subsystems of the Schauder System	227
Vincenzo Scalzo	
Pseudocontinuity is Necessary and Sufficient for Order-preserving Continuous Representations	239
Shingo Saito	
Continuity Points of Typical Bounded Functions	249