

# REAL ANALYSIS

E X C H A N G E

491 Editorial Messages

## CONFERENCE ANNOUNCEMENTS

- 493 Special Session on Real Analysis  
October 5–6, 2001 in Chattanooga, Tennessee
- 494 Summer Symposium in Real Analysis XXVI  
Mid June, 2002 in Lexington Virginia

## TOPICAL SURVEYS

- 495 B. Schweizer, A. Sklar, and J. Smítal  
Distributional (and Other) Chaos and its Measurement
- 525 R. E. Svetic  
The Erdős Similarity Problem: A Survey

## RESEARCH ARTICLES

- 541 August M. Zapala  
Jensen's Inequality for Conditional Expectations in Banach Spaces
- 553 In Soo Baek  
Weak Local Dimension on Deranged Cantor Sets
- 559 Joanna Czarnowska  
 $\mathcal{F}$ -Connectivity and Strong  $\mathcal{F}$ -Connectivity of Multivalued Maps
- 581 Marek Balcerzak, Artur Bartoszewicz and Krzysztof Ciesielski  
On Marczewski-Burstin Representations of Certain Algebras of Sets
- 593 Mariusz Strześniewski  
On  $\mathcal{I}$ -Asymmetry
- 603 Oscar Blasco, Pablo Gregori and Jose M. Calabuig  
Finite Semivariation and Regulated Functions by Means of Bilinear Maps
- 609 Annalisa Crannell and Ralph Kopperman  
Setwise Quasicontinuity and  $\Pi$ -Related Topologies
- 623 W. F. Pfeffer  
The Stokes Theorem for the Generalized Riemann Integral
- 637 Marek Balcerzak and Elżbieta Kotlicka  
Difference Properties for Some Classes of Functions
- 651 Pamela B. Pierce and Daniel Waterman  
A  $\Delta_2$ -Equivalent Condition
- 657 Davide La Torre and Matteo Rocca  
Higher Order Uniform Smoothness and Differentiability of Real Functions
- 669 Pavel Kostyrko, Tibor Šalát and Władysław Wilczyński  
 $I$ -Convergence

- 687 J. Ewert and S. P. Ponomarev  
Oscillation and  $\omega$ -Primitives
- 703 M. Balcerzak, A. Bartoszewicz, J. Rzepecka and S. Wroński  
Marczewski Fields and Ideals
- 717 Philip D. Loewen and Xianfu Wang  
Typical Properties of Lipschitz Functions
- 727 Zbigniew Grande  
On Discrete Limits of Sequences of Darboux Bilaterally Quasicontinuous Functions
- 735 Nikolaos Efstathiou Sofronidis  
Analytic Non-Borel Sets and Vertices of Differentiable Curves in the Plane
- 749 Marianna Csörnyei, Toby C. O'Neil and David Preiss  
The Composition of Two Derivatives Has a Fixed Point
- 761 Jani Onninen  
Differentiability of Monotone Sobolev Functions
- 773 Kamo Hiroyasu, Kawamura Kiko and Takeuti Izumi  
Computational Complexity of Fractal Sets
- 795 S. Graf and H. Luschgy  
Asymptotics of the Quantization Errors for Self-Similar Probabilities
- 811 Miklós Laczkovich  
Infinite Peano Derivatives
- 827 F. S. Cater  
Note on the Outer Measures of Images of Sets

## INROADS

- 831 G. A. Edgar  
Packing Measure in General Metric Space
- 853 Supriya Pal, D. K. Ganguly and Lee Peng Yee  
Henstock-Stieltjes Integrals Not Induced by Measure
- 861 D. J. Dewsnap and P. Fischer  
Non-Uniqueness of Composition Square Roots
- 867 Emmanuel Cabral and Peng-Yee Lee  
A Fundamental Theorem of Calculus for the Kurzweil-Henstock Integral in  $\mathbb{R}^m$
- 877 Marek Balcerzak and Artur Wachowicz  
Some Examples of Meager Sets in Banach Spaces
- 885 R. Delaware and L. Eifler  
Graphs of Functions, Regular Sets and S-Straight Sets
- 893 P. D. Humke, R. E. Svetic, and C. E. Weil  
A Darboux Baire One Fixed Point Problem
- 901 J. Bourgain, S. Kostyukovsky and A. Olevskiĭ  
A Remark on a Maximal Operator for Fourier Multipliers
- 905 Krzysztof Ciesielski and Janusz Pawlikowski  
Small Combinatorial Cardinal Characteristics and Theorems of Egorov and Blum-berg
- 913 Bożena Szkopińska  
Functions  $\mathcal{I}$ -Approximately Continuous in  $\mathcal{I}_1$  A. E. Direction at Every Point
- 919 Krzysztof Ciesielski  
Measure Zero Sets Whose Algebraic Sum Is Non-Measurable
- 923 F. S. Cater  
On the Derivatives of Functions of Bounded Variation
- 933 Zbigniew Grande  
On Pointwise, Discrete and Transfinite Limits of Sequences of Closed Graph Functions

- 943    Lee Tuo-Yeong  
           A Solution to Pfeffer's Problem
- 947    Franciszek Prus-Wisniowski and Grzegorz Szkibiel  
           SAC Property and Approximate Semicontinuity
- 963    T. H. Steele  
           The Persistence of  $\omega$ -Limit Sets under Perturbation of the Generating Function

## QUERIES

- 975    F. S. Cater  
           On the Derivatives of Functions of Bounded Variation