

REAL ANALYSIS
EXCHANGE

CONTENTS

CONFERENCE ANNOUNCEMENTS 4

ERRATA 5

PROCEEDINGS OF THE TWELFTH SUMMER SYMPOSIUM..... 8

RESEARCH ARTICLES

A. Alikhani-Koopaei
 Extreme path derivatives of a function with respect to a nonporous system of paths 77

R. Gibson, H. Rosen, and F. Roush
 Connectivity functions $I^n \rightarrow I$ dense in $I^n \times I$ 99

K. Ostaszewski
 Semigroups of density-continuous functions 104

V. Ene
 Integrals of Lusin and Perron type 115

T. Filipczak
 On some abstract density topologies 140

R. Darst and S.S. Fu
 Approximation of integrable, approximately continuous functions on $(0,1)^n$ by nondecreasing functions 167

F. Cater
 On nondifferentiable wrinkled functions 175

H. Pawlak and R. Pawlak
 Fundamental rings for classes of Darboux functions 189

C. Freiling and D. Rinne
 A symmetric density property for measurable sets 203

K. Schilling
 Some category bases which are equivalent to topologies 210

G. Edgar
 Kiesswetter's fractal has Housdorff dimension $3/2$ 215

INROADS

V. Ene
 Construction of a wrinkled function 224

M. Navara
 When is the integration on quantum probability spaces additive? 228

M. Burke
 Some remarks on density continuous functions 235

V. Ene
 Answers to three questions of Foran 243

F. Cater
 Dini derivates of an unusual function 248

T. Ramsamujh
 A Comparison of the Jordan and Dini tests: A correction 251

D. Preiss and B. Thomson
 A symmetric covering theorem 253

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The Real Analysis Exchange consists of four major sections, each with a distinct character. Papers submitted to the Research Articles Section will be sent to two referees for their independent judgment, while papers submitted to the Inroads section are normally sent to a single referee. Descriptions of each section of the Exchange follow.

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This section consists of survey articles concerning one area of current research activity. These articles differ from survey articles in other journals both in their more limited scope and greater depth. It is anticipated that such a survey article will indicate a stream of mathematical thought from origins of the current problem area up to and including unpublished results. Topical survey articles are refereed and reviewed by both Mathematical Reviews and Zentralblatt für Mathematik.

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This section is reserved for original research in the areas of real analysis, functions of one or more real variables, and real set theory. As this section is intended for primary source material, the results published in this section should not appear in unabstracted form elsewhere. Papers submitted as research articles will be refereed prior to publication and reviewed by both Mathematical Reviews and Zentralblatt für Mathematik.

Section 3: **INROADS**

Papers presenting new and simple proofs of well-known theorems, or simple and interesting consequences of known results may appear in this section. In addition a synopsis of a dissertation in real analysis could be appropriate if the results are not to appear in another journal. However, in general abstracts of papers to be published elsewhere are not acceptable. Authors need not present proofs of all assertions in an inroads article, but when an omitted proof is not easy, the writer should so inform the reader.

Section 4: **QUERIES**

In this section problems are presented together with appropriate bibliographical and historical information. This section is not meant to be a recreational section, but a forum for the presentation of unsolved problems in specific areas of real analysis.

NOTICE TO CONTRIBUTORS

1. Any author interested in writing a Topical Survey article should contact Professor Paul Humke, Department of Mathematics, St. Olaf College, Northfield, MN 55057, USA for detailed information.
2. Articles for the Inroads and Research Articles sections should be neatly typed in camera-ready form. The printed area on each page should measure no more than 16.5 cm by 23 cm (6.5 inches by 9 inches) and should have margins at the top and bottom of 2.5 cm (1 inch). Contributors should take note of the heading format for papers in these two sections. Also they should indicate the section to which their paper is being submitted. The deadline for receipt of Inroads articles for the first issue of each volume is September 1 and for the second issue is March 1. Research articles may be submitted at any time and will be carefully refereed as promptly as possible. All articles will appear in the first issue following acceptance.
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Real Analysis Exchange
Department of Mathematics
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USA

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