Real Analysis Exchange

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REAL ANALYSIS EXCHANGE

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EDITORIAL MESSAGES

With this issue the <u>Real Analysis Exchange</u> begins its association with Michigan State University. The new managing editors wish to thank MSU for its cooperation and assistance in this venture. In addition they want to take this opportunity to express their gratitude to the managing editors emeritus and founders of the <u>Exchange</u>, Professors Michael J. Evans and Paul D. Humke. During their tenure as managing editors they always gave 110% and the RAE is what it is today because of their forsight and untiring effort.

Volumes 1 through 7 of the <u>Exchange</u> are presently being reprinted and will be available shortly. If you and/or your institution would like to have a copy of the previously published issues, send your order to

> Real Analysis Exchange Department of Mathematics Michigan State University East Lansing, MI 48824

If your institution publishes a journal and would like to establish a reciprocal agreement with the <u>Exchange</u>, a letter to this affect should be sent to the above address.

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The <u>Real Analysis Exchange</u> is comprised of four major sections, each with a distinct charge. Contributors should indicate that section of the <u>Exchange</u> for which they wish their typescript to be considered. Papers submitted to the Research Article 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 who checks appropriateness. Descriptions of each section of the Exchange follow.

Section 1: Topical Surveys

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article would indicate a stream of mathematical thought from origins of the current problem area up to and including unpublished results.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

Section 2: Research Articles

This section is reserved for original research in the areas of real analysis, functions of 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 reviews of *Research Articles* will appear in both the <u>Mathematical Reviews</u> and Zentralblatt für Mathematik.

Section 3: Inroads

This third section consists of annotated abstracts of the recent work of real analysis coupled with bibliographic information concerning this work. In addition, the *Inroads* Section can well serve the need to publicize real analysis dissertation results.

Section 4: Queries

In this section problems are presented together with appropriate bibliographical and historical information. This 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

- Any author interested in writing a Topical Survey article should contact Paul Humke, Department of Mathematics, St. Olaf College, Northfield, Minnesota 55057, for detailed information.
- 2. Articles for the Inroads and Research Articles sections should be neatly typed in camera-ready form. They should have one inch margins on the top and bottom and one and one-half inch margins on the sides for binding purposes. Contributors should take note of the heading format used in these two sections. Please be sure to indicate whether the paper is to be considered as a Research Article or an Inroad. The deadlines for receipt of Inroads are November 1 for the winter edition and April 1 for the spring edition. Research Articles may be submitted at any time and will be carefully refereed as promptly as possible.
- 3. Queries should be typed with appropriate bibliographical or historical information included. Solutions to previous Queries should have the same margins as Inroads articles and should also be in camera ready form. Lengthy solutions will be published in the Inroads section. The deadlines for receipt of Queries are November 15 for the winter issue and April 15 for the spring issue.

All correspondence with the <u>Exchange</u> should be sent to the following address.

Real Analysis Exchange Department of Mathematics Michigan State University East Lansing, Michigan 48824

Subscription Information

Academic Year Subscription (2 issues):IndividualLibrary\$3.00\$5.00

The Sixth Symposium on Real Analysis

will be held at

The University of Waterloo

on

June 22-25, 1982

The following speakers have been invited to give one hour talks:

J. Brown (Auburn)A.M. Bruckner (Santa Barbara)M. Laczkovich (Budapest)

There will also be 30-minute sessions for contributed papers.

Those who wish to be kept informed about this symposium and/or plan to attend should contact

George Cross, Chairman Department of Pure Mathematics University of Waterloo Waterloo, Ontario Canada N2L 3G1

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"Real Analysis Exchange"

A SPECIAL YEAR IN REAL ANALYSIS

The Mathematics Department of the University of California at Santa Barbara is sponsoring a special year in real analysis (September; 1983) to June 1984). The following mathematicians have expressed an interest in participating for three or more quarters: Goffman (Purdue), Humke (St. Olaf), Laczkovich (Budapest), kusinski (Katowice), Petruska (Budapest), Preiss (Prague), and Thomson (Simon Fraser). The department also intends to host a conference of a week's duration in either January or during the spring vacation in March, 1984. If you are interested in visiting UCSB for a portion of the year, write to Professor Jack Ceder (Department of Mathematics, University of California, Santa Barbara, CA 93106) for more information.

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