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REAL ANALYSIS EXCHANGE

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REAL ANALYSIS EXCHANGE

EDITORIAL BOARD

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 three referees for their independent judgment, while papers submitted to the Inroads section are normally sent to two referees. Descriptions of each section of the *Real Analysis Exchange* follow.

Section 1   TOPICAL SURVEYS

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article will indicate a stream of mathematical thought from origins of the current problem area up to and including unpublished results.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 *Mathematical Reviews*, *Zentralblatt für Mathematik* and *Referativnyi Zhurnal* : *Matematika*.

Section 2:   RESEARCH ARTICLES

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 *Mathematical Reviews* , *Zentralblatt für Mathematik* and *Referativnyi Zhurnal* : *Matematika*.

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. Inroads articles are refereed and reviewed by *Referativnyi Zhurnal* : *Matematika*.

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. Papers for the Inroad section and for the Research Articles section 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.

3.   Queries should be typed with appropriate bibliographical and/or historical information included. They should be sent to the Queries Editor whose address is listed with the Editorial Board on the first page of this and every issue. Solutions to previous Queries should be typed using the instructions listed above and sent to the Queries Editor. Lengthy solutions may be published in the Inroads section at the discretion of the editors. The deadline for receipt of Queries is September 1 for the first issue of each volume and March 1 for the second.

4.   All contributed papers, except for Queries, and all other correspondence with the Exchange should be sent to the following address:

> Real Analysis Exchange
> Department of Mathematics
> Michigan State University
> East Lansing, MI 48824-1027
> USA

SUBSCRIPTION INFORMATION

Annual subscription rates

Individuals	Institutions
$17.00	$25.00

FOURTEENTH ANNUAL SUMMER SYMPOSIUM IN REAL ANALYSIS

June 20 - 23, 1990
California State University, San Bernardino

The conference will feature invited speakers including Jack Brown, Andy Bruckner, Jack Ceder, and Alexander Kechris, as well as shorter (10-30 minute) contributed papers.

Housing is available on campus in student housing for $10.50/night, beginning the night of June 19th. We have a Motel 6 near campus, about one mile away, with many motels grouped together about ten miles from campus.

It will be most convenient if participants arriving by plane, who would like a ride from the airport, land at Ontario Airport, which is only twenty-five miles away. Los Angeles International Airport is about eighty miles away over some of the most dangerous freeways.

San Bernardino is sixty miles east of Los Angeles, at the base of the San Bernardino Mountains, "close" to ocean, mountain lakes, and desert.

A Query session will be organized. All those interested are invited to submit a problem or question. Small prizes are encouraged. Queries will be mailed unedited to pre-registrants before the conference. To accomplish this, queries should be received before May 15. Proposers and/or solvers will be given an opportunity to speak as time permits. All prizes will be in effect for one year, and finding a solution in print counts as a solution.

There is a registration fee of $25.00, which includes the banquet costs.

Name _____

Address _____

        _____

        _____

Phone _____ Electronic Mail Address_____

On-campus accommodations? _____ Will you present a paper? _____

        Title _____

        Length of Talk _____

Local Organizers: Chris Freiling ((714)880-5366)
                  Dan Rinne ((714)880-5375)
                  John Walsh

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