

REAL ANALYSIS EXCHANGE



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REAL ANALYSIS EXCHANGE

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The Real Analysis Exchange is composed of four major sections, each with a distinct charge. Contributors should indicate that section of the Exchange for which they wish their typescript to be considered. 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 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 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article will indicate a stream of mathematical thought from origins of the current problem area up to and including unpublished results.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.

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 in both the 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, U.S.A. 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 mm 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 used in these two sections. Please indicate to which section the paper is being submitted. The deadlines for receipt of Inroads papers are October 1 for the first issue of each volume and April 1 for the second issue. Research Articles may be submitted at any time and will be carefully refereed as promptly as possible. Articles will appear in the first issue following acceptance.

3. Queries should be typed with appropriate bibliographical and/or historical information included and 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. The deadlines for receipt of Queries are October 15 for the first issue of each volume and April 15 for the second.

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