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These are, by definition, papers which present a clear and insightful exposition of significant aspects of contemporary mathematical research. Gibbs lectures and retiring presidential addresses will be included in this section. Manuscripts should be submitted to Professor Morris W. Hirsch, Department of Mathematics, University of California, Berkeley, California 94720.

RESEARCH ANNOUNCEMENTS

The purpose of this department is to publish quickly and disseminate widely significant new mathematics. A Research Announcement should be designed to communicate its contents to a broad mathematical audience and should meet high standards for clarity as well as mathematical content. It should have a substantial introductory section addressed to non-experts describing the motivation, background and significance of the results announced. Following the statement of results, there should follow a sketch of proofs which may be addressed to experts. Having colleagues, including non-experts, proofread a manuscript can be an effective way to improve readability. An announcement should normally not exceed 7 journal pages. Authors should send five (5) copies of each manuscript to Roger Howe, Department of Mathematics, Yale University, Box 2155, Yale Station, New Haven, CT 06520. Deadlines for submission are: August 15 for the January issue; November 1 for April; February 1 for July; and May 1 for October. (These deadlines assume ideal conditions; difficulties in processing, including manuscript defects, may cause deviations from this schedule.)