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VOLUME 32 NUMBER 1



JANUARY 1995

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# BULLETIN

( NEW SERIES )  
OF THE

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AMERICAN MATHEMATICAL SOCIETY

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PROVIDENCE, RHODE ISLAND USA

ISSN 0273-0979

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## Bulletin (New Series) of the American Mathematical Society

This journal is devoted to articles of the following types:

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These are, by definition, papers that present a clear and insightful exposition of significant aspects of contemporary mathematical research. Gibbs lectures, Progress in Mathematics lectures, and retiring presidential addresses will be included in this section.

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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.

### Research Reports

These are brief, timely reports on important mathematical developments. They are normally solicited and often written by a disinterested expert.

### Book Reviews

Book Reviews are accepted for publication by invitation only. Unsolicited manuscripts will not be considered.

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*Bulletin (New Series) of the American Mathematical Society* is published quarterly by the American Mathematical Society at 201 Charles Street, Providence, RI 02904-2213. Second class postage is paid at Providence, Rhode Island, and additional mailing offices. Postmaster: Send address changes to Bulletin, American Mathematical Society, P. O. Box 6248, Providence, RI 02940-6248.

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This publication was typeset using  $\mathcal{A}\mathcal{M}\mathcal{S}\text{-T}\mathcal{E}\mathcal{X}$ ,  
the American Mathematical Society's  $\text{T}\mathcal{E}\mathcal{X}$  macro system.

10 9 8 7 6 5 4 3 2      99 98 97 96 95

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### **Research-Expository Papers (Surveys)**

This section is intended for reasonably broad expository surveys of a currently active area of mathematical research. To stress this fact, the name of the section will be changed from “Research-Expository Papers” to “Research-Expository Surveys”. The level of exposition is expected to be such that a graduate student—or a research mathematician from a remote area—will be able to read an article in order to get an overview of a subject. A well-written article will include motivating problems and examples, some indication of the historical development of the subject, and of course the results and open problems that make it an interesting and exciting area of mathematics. In most cases proofs should be at most briefly sketched, and there should be a good bibliography whose main aim should be helping those wishing to pursue the subject further. Usually Research-Expository Surveys will be at most 40 pages long.

Certain of the Society’s Lecture Series, including the Gibb’s Lectures, Colloquium Lectures, and Progress in Mathematics Lectures, traditionally appear in the Research-Expository Surveys, and those invited to give these lectures are informed of this tradition and of the above guidelines. Research-Expository Surveys are also frequently solicited by the Editorial Board, but unsolicited manuscripts are also encouraged; in particular, those invited to give invited hour addresses at meetings of the Society should consider writing up their lecture in a manner that meets the requirements of the preceding paragraph and submitting their manuscripts for consideration by the Editorial Board for the Research-Expository Surveys.

## Research Reports

In August 1993, the Council of the AMS voted to replace the Research Announcements with a new category of articles, to be called Research Reports. The first Research Reports are expected to be published in the July 1995 issue. The *Bulletin* stopped accepting submissions of Research Announcements on January 31, 1994. The Editor for Research Announcements will continue to serve as Editor for Research Reports.

A Research Report is a timely, short (4–8 pages) report on a recent accomplishment in mathematical research. It should be written so as to be understandable by mathematicians who are not experts in the subject matter of the Report. The context giving significance to the research being reported on should be made clear, and the consequences or potential consequences should be described. Usually only the barest hint of the methods of proof should be given, although elements of the proof which are novel should be included. In any case, references should be given so that an interested reader can find the details. It is expected that Research Reports will frequently be written by specialists other than the individuals immediately involved in the research. Approximately twenty-four Reports will be published each year.

Research Reports are normally solicited by the Editor for Research Reports and the Board of Associate Editors. They cordially invite suggestions for topics and reporters. Unsolicited manuscripts, submitted to the Editor for Research Reports, will also be considered.

*(Continued from back cover)*

<b>Michael Struwe</b> (Reviewer), Introduction to regularity theory for nonlinear elliptic systems by Mariano Giaquinta .....	148
<b>Peter Rosenthal</b> (Reviewer), 1. Composition operators and classical function theory by Joel H. Shapiro and 2. Composition operators on function spaces by R. K. Singh and J. S. Manhas .....	150
<b>Franz Pedit</b> (Reviewer), Harmonic maps and minimal immersions with symmetries by James Eells and Andrea Ratto .....	153
<b>László Lempert</b> (Reviewer), Invariant distances and metrics in complex analysis by Marek Jarnicki and Peter Pflug .....	155
<b>Evans M. Harrell II</b> (Reviewer), Floquet theory for partial differential equations by Peter Kuchment .....	158
<b>T. Bartsch</b> (Reviewer), Duality and perturbation methods in critical point theory by Nassif Ghoussoub .....	162
<b>Jerrold Bebernes</b> (Reviewer), Nonlinear parabolic and elliptic equations by C. V. Pao .....	166

#### **Erratum**

<b>K. Rubin and A. Silverberg</b> , A report on Wiles' Cambridge lectures .....	170
---	-----

BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY

CONTENTS

Vol. 32, No. 1

January 1995

Research-Expository Papers

Alan Edelman and Eric Kostlan, How many zeros of a random polynomial are real? ..... 1

Research Announcements

Peter Borwein and Tamás Erdélyi, Müntz spaces and Remez inequalities 38  
 Y. Ben Natan, Y. Benyamini, H. Hedenmalm, and Y. Weit, Wiener's Tauberian theorem in  $L^1(G//K)$  and harmonic functions in the unit disk 43  
 Eugene Gutkin and Nicolai Haydn, Topological entropy of generalized polygon exchanges ..... 50  
 Liming Ge, A splitting property for subalgebras of tensor products ..... 57  
 Paul H. Edelman and Victor Reiner, Not all free arrangements are  $K(\pi, 1)$  61  
 Konstantin Mischaikow and Marian Mrozek, Chaos in the Lorenz equations: A computer-assisted proof ..... 66  
 F. Lazebnik, V. A. Ustimenko, and A. J. Woldar, A new series of dense graphs of high girth ..... 73  
 Andreas Juhl, Secondary invariants and the singularity of the Ruelle zeta-function in the central critical point ..... 80

Book Reviews

P. Beazley Cohen and F. Hirzebruch (Reviewers), Commensurabilites among lattices in  $PU(1, n)$  by Pierre Deligne and G. Daniel Mostow 88  
 C. E. Rickart (Reviewer), Banach and locally convex algebras by A. Ya Helemskii ..... 105  
 Alan Baker (Reviewer), Catalan's conjecture by Paulo Ribenboim ..... 110  
 Brian Straughan (Reviewer), Non-classical elastic solids by M. Ciarletta and D. Iesan ..... 112  
 Craig Smoryński (Reviewer), Hilbert's Tenth Problem by Yuri V. Matiyasevich ..... 114  
 Herbert Heyer (Reviewer), Arithmetic of probability distributions and characterization problems on Abelian groups by G. M. Fel'dman .. 120  
 Mitsuhiro Takeuchi (Reviewer), Hopf algebras and their actions on rings by S. Montgomery ..... 125  
 George J. Fix (Reviewer), The computational complexity of differential and integral equations by Arthur G. Werschulz ..... 127  
 Hans-Otto Walther (Reviewer), Introduction to functional differential equations by Jack K. Hale and Sjoerd M. Verduyn Lunel ..... 132  
 Morris W. Hirsch (Reviewer), Realism in mathematics by Penelope Maddy ..... 137

(Continued on inside back cover)



0273-0979(199501)32:1;1-X