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# BULLETIN

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OF THE

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AMERICAN MATHEMATICAL SOCIETY

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## EDITORS

Richard S. Palais, *Research-Expository Papers*

Murray Protter, *Book Reviews*

Frank Quinn, *Research Announcements*

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This journal is devoted to articles of the following types:

### Research-Expository Papers

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.

### 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.

### Book Reviews

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

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### **Remarks on Research Announcements**

The circulation of the *Bulletin* is larger by an order of magnitude than that of most research mathematics journals; it is received by essentially every

member of the Society. Space is limited to around 40 Announcements each year. These facts largely determine the qualities looked for in an Announcement:

The results should be, roughly speaking, among the 40 most significant or interesting achievements in mathematics in the year. The paper should contain background material for nonexperts which indicates why the results are significant and interesting.

The paper should be addressed to as wide an audience as possible, not just to experts. Strive for clarity and precision. Avoid jargon and introduce the terminology necessary to understand the main results. If space considerations prevent a full development, delineate clearly what is not being explained and provide references. The proof sketch can be more technical.

Ask a colleague to review your manuscript before you submit it. Even better, ask two colleagues, one whose work is close to yours, one whose work is farther away. (If you can't get two people you know to read your work before it is published, how many will want to read it after?) Ask for suggestions on how to improve the readability.

An abstract and the 1991 Mathematics Subject Classification are required. Papers submitted without these will be delayed.



# BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY

## CONTENTS

JULY 1992

### Research-Expository Papers

- User's guide to viscosity solutions of second order partial differential equations by  
*Michael G. Crandall, Hitoshi Ishii, and Pierre-Louis Lions*..... 1
- Galois theory on the line in nonzero characteristic by *Shreeram S. Abhyankar*.... 68

### Research Announcements

- One cannot hear the shape of a drum by *Carolyn Gordon, David L. Webb, and Scott Wolpert* ..... 134
- A class of nonsymmetric harmonic Riemannian spaces by *Ewa Damek and Fulvio Ricci* ..... 139
- The Green function of Teichmüller spaces with applications by *Samuel L. Krushkal* 143
- Rational function certification of multisum/integral/"*q*" identities by *Herbert S. Wilf and Doron Zeilberger* ..... 148
- Generalizing the hyperbolic collar lemma by *Ara Basmajian* ..... 154
- A counterexample to the Arakelyan conjecture by *A. Eremenko* ..... 159
- A classification of the stable type of BG by *John Martino and Stewart Priddy*.... 165

### Book Reviews

- Spectral theory of families of self-adjoint operators by *Yu. S. Samoilenko*—Reviewed by *Alfredo Octavio* ..... 171
- Lagrangian manifolds and the Maslov operator by *A. S. Mishchenko, V. E. Shatalov, and B. Yu. Sternin*—Reviewed by *J. J. Duistermaat* ..... 174
- Connections, definite forms and four-manifolds by *T. Petrie and J. Randall*—Reviewed by *Robert E. Gompf* ..... 179
- Degeneration of abelian varieties by *Gerd Faltings and Ching-Li Chai*—Reviewed by *Michael Raynaud* and Translated by *K. Ribet* ..... 183
- Algebraic ideas in ergodic theory by *Klaus Schmidt*—Reviewed by *J. Feldman* ... 189
- Topics in matrix analysis by *Roger A. Horn and Charles R. Johnson*—Reviewed by *Marvin Marcus*..... 191
- Discrete subgroups of semisimple Lie groups by *G. A. Margulis*—Reviewed by *Robert J. Zimmer* ..... 198
- Symmetric and *G*-algebras (with applications to group representations) by *Gregory Karpilovsky*—Reviewed by *Morton E. Harris* ..... 203
- Errata to Holomorphic Hilbert modular forms by *Paul Garrett*—Reviewed by *Michael Harris* ..... 204