Journals Published by the
American Mathematical Society

Transactions of the American Mathematical Society

This journal is devoted entirely to research in pure and applied mathematics, and includes, in general, longer papers than the Proceedings.

The price per volume is $12.00; in 1968 five volumes will be published. All inquiries for Volumes 1–69 should be directed to Johnson Reprint Corporation, 111 Fifth Avenue, New York, New York 10012. Orders for Volumes 70–133 should be directed to the American Mathematical Society.

Mathematical papers intended for publication in the TRANSACTIONS should be addressed to one of the editors:

Papers in analysis and applied mathematics to J. J. KOHN, Department of Mathematics, Brandeis University, Waltham, Massachusetts 02154.

Papers in algebra, logic and number theory to D. A. Buchsbaum, Department of Mathematics, Brandeis University, Waltham, Massachusetts 02154.

Papers in statistics and probability to H. P. McKean, Department of Mathematics, Rockefeller University, New York, New York 10021.

Papers in geometry and abstract analysis to R. S. Palais, Department of Mathematics, Brandeis University, Waltham, Massachusetts 02154.

Papers in topology to F. P. Peterson, Department of Mathematics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139.

Papers in mathematical logic and foundations to Dana Scott, Department of Mathematics, Stanford University, Stanford, California 94305.

All other communications to the editors should be addressed to the Managing Editor, Dana Scott.

All papers should be typewritten, double-spaced, and the author should keep a complete copy.

Transactions of the American Mathematical Society is indexed regularly by Engineering Index, Inc.

Memoirs of the American Mathematical Society

These are a series of paperbound research tracts which are of the same general character as the papers published in the TRANSACTIONS. The editorial committee is identical with that for the TRANSACTIONS so that papers intended for publication in this series should be addressed to one of the editors listed above.

Published monthly by the American Mathematical Society. Subscriptions for Journals published by the American Mathematical Society should be addressed to American Mathematical Society, P.O. Box 6248, Providence, Rhode Island 02904.

Second-class postage paid at Providence, Rhode Island, and additional mailing offices.

Copyright © 1968 American Mathematical Society
All rights reserved
Printed in the United States of America

The paper used in this book is acid-free and falls within the guidelines established to ensure permanence and durability.
EDITED BY

D. A. Buchsbaum
H. P. McKean
J. J. Kohn
R. S. Palais
F. P. Peterson
Dana Scott

PROVIDENCE, RHODE ISLAND USA
ISSN 0002-9947