

The

# Michigan Mathematical Journal

**MANAGING EDITORS**

James M. Kister

Carl M. Percy

**ASSOCIATE EDITORS**

Morton Brown

Melvin Hochster

Hugh L. Montgomery

B. Alvin Taylor

**TECHNICAL EDITOR**

Margie R. Morris

DEPARTMENT OF MATHEMATICS

THE UNIVERSITY OF MICHIGAN

ANN ARBOR, MICHIGAN, U.S.A.

The Michigan Mathematical Journal is published by the Department of Mathematics at The University of Michigan. One volume is published each year. Each volume consists of three issues. Prior to Volume 24 (1977), each volume consists of four issues. The price is \$10 per volume on orders for private use, \$24 per volume on orders for institutional use. The price of individual issues is \$8 each for those of Volume 24 and later; \$6 each for earlier issues.

Subscription orders should be sent to the Circulation Manager, Michigan Mathematical Journal, Department of Mathematics, The University of Michigan, Ann Arbor, Michigan 48109. All subscriptions must be prepaid in U.S. funds. The Journal will accept payment for one, two, or three years in advance. Checks or money orders should be made payable to The University of Michigan.

Volumes 1 to 8 (1952-1961) are no longer available at The University of Michigan; they can be purchased from the Johnson Reprint Corporation, 111 Fifth Avenue, New York, N.Y., 10003.

Papers submitted for publication should be sent to the Managing Editor, Michigan Mathematical Journal, Department of Mathematics, The University of Michigan, Ann Arbor, Michigan, 48109. If possible, two copies of the manuscript should be submitted. The author should retain a complete copy to ensure against loss.

Papers duplicated by the Ditto process are not accepted. Manuscripts should be typed on bond, on one side of the page only, with generous margins, and at least double-spaced. All footnotes will be absorbed into the text, except the date of receipt and a possible acknowledgment of assistance or financial support. Where the author refers to a long paper or a book, in the text of his paper, he should specify the passage he has in mind by citing a section, page number, or particular theorem. The list of references must be in alphabetic-chronological order; abbreviations of the names of journals and references to books should follow the standard form established by Mathematical Reviews.

The Michigan Mathematical Journal is lithoprinted from typed copy. This process limits the range of available fonts, but permits greater versatility in displaying formulas than does letter press. Greek, German, script, and italics are available only in standard size, boldface not at all. Mathematical symbols from the English alphabet are normally printed in the Roman font.