NAGOYA MATHEMATICAL JOURNAL

VOL. 67

August 1977

PUBLISHED BY
DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCE
NAGOYA UNIVERSITY

Correspondences concerning subscription, and back issues of the journal should be addressed to

KINOKUNIYA BOOK-STORE CO., LTD. 17–7 Shinjuku 3-chome, Shinjuku-ku TOKYO 160–91 JAPAN

 \mathbf{or}

KINOKUNIYA BOOK STORES OF AMERICA CO., LTD. West Bldg., Japanese Cultural and Trade Center 1581 Webster St., San Francisco, CALIFORNIA 94115, U.S.A.

The annual subscription price for 1976 is about \$93.60

NAGOYA MATHEMATICAL JOURNAL

VOL. 67

August 1977

Edited by

TAKEYUKI HIDA, NOBORU ITO, TOMIO KUBOTA (Managing Editor), HIDEYUKI MATSUMURA, HISASI MORIKAWA, AKIHIKO MORIMOTO, KATUJI ONO, YOSHIHIRO SHIKATA, KÔSAKU YOSIDA

PUBLISHED BY
DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCE
NAGOYA UNIVERSITY

Nagoya Mathematical Journal is, in principle, the official organ of the Department of Mathematics, Nagoya University, designed solely for the publication of research papers. However, some invited papers and other original papers in mathematics from all over the world are also regularly published in Nagoya Mathematical Journal. Currently, 4 volumes are published each year.

All manuscripts should be typewritten in English, French, or German with sufficient space between lines, and special letters such as bold-face, German, Greek, and script should be clearly marked. All single letters used in formulas will appear in italic, and mathematical symbols will appear in the standard style usual for mathematical literature. Therefore, it is not required to mark such letters and symbols. Instructions which conflict with the general printing rules of the journal will not be accepted. For example, each paragraph title should appear in bold-face. Good reproductions of a typewritten manuscript are acceptable.

As soon as we receive a manuscript, a receipt will be sent to the author. When a manuscript has been sent to a referee, the author will receive another notice. These receipts and notices, however, do not mean anything regarding the acceptability of the paper for publication. If the editorial committee has decided to accept a paper, the author will receive a notice containing the number of the volume in which the paper will appear.

Each author, as well as each co-author, will have 100 reprints, while only one set of proof will be prepared per paper for proof-reading by the author(s). Therefore, a joint paper must carry instructions as to whom the proof should be sent. Attached to the proof, an order form will be sent to the author for the additional reprints which are available at approximately 3ϕ per page.

The actual business of the Nagoya Mathematical Journal is performed by the managing editor with the cooperation of editors residing in Nagoya.

The manuscript and general correspondence should be addressed to: Managing editor, Nagoya Mathematical Journal, Department of Mathematics, Faculty of Science, Nagoya University, Chikusa-ku, Nagoya, 464, Japan.

CONTENTS

On the asymptotic boundary behavior of functions analytic in the unit diskJ. R. Choike	1
Existence of regular coverings associated with leaves of codimension one foliations	15
Picard principle for finite densities on some end	35
Hartman's theorem for hyperbolic setsM. Kurata	41
Some applications of Synge's formula to the theory of several complex variables T. SASAKI and O. SUZUKI	53
Analytic torsion of space forms of certain compact symmetric spaces	65
On projective invariance of multi-parameter Brownian motion S. Takenaka	89
A generalization of the Levinson-Massera's equalities K. Shiraiwa	121
On p -adic L -functions and cyclotomic fields. IIR. GGEENBERG	139
Scalar extension of quadratic lattices IIY. KITAOKA	159
On the deficiencies of meromorphic mappings of C^n into P^NC	165
Remarks on regular sequences	177