

NAGOYA
MATHEMATICAL JOURNAL

VOL. 57

June 1975

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

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 1974 is \$ 83.20

NAGOYA
MATHEMATICAL JOURNAL

VOL. 57

June 1975

Edited by

TAKEYUKI HIDA, NOBORU ITO, TOMIO KUBOTA (Managing Editor),
HIDEYUKI MATSUMURA, HISASI MORIKAWA, AKIHIKO MORIMOTO,
KIYOSHI NOSHIRO, KATUZI 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 3¢ 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 periods of meromorphic eichler integrals..... | H. SATO | 1 |
| On the transitive domination principle for continuous function-kernels | I. HIGUCHI | 27 |
| On preserving the Kobayashi pseudodistance..... | L. A. CAMPBELL and R. H. OGAWA | 37 |
| Continuous boundary behaviour for functions defined in the open unit disc..... | L. BROWN, P. M. GAUTHIER and W. HENGARTNER | 49 |
| The topological support of gaussian measure in Banach space... .. | N. N. VAKHANIA | 59 |
| On equivariant vector bundles on an almost homogeneous variety | T. KANEYAMA | 65 |
| On the asymptotic behaviour of a diffusion process with singular drift. | H. KANETA | 87 |
| Deformation methods and the strong unbounded representation type of p -groups | J. D. DONALD and F. J. FLANIGAN | 107 |
| Démonstration simple de la représentation intégrale du noyau complètement sous-harmonique et invariant par rotations | M. ITÔ | 121 |
| Sur l'unicité du cône convexe divisible constitué par de noyaux de convolution de Dirichlet..... | M. ITÔ | 127 |
| Negative vector bundles and complex finsler structures..... | S. KOBAYASHI | 153 |

| | | |
|--|-------------|-----|
| Caractérisation du principe de domination pour les noyaux de convolution non-bornés | M. ITÔ | 167 |
| Hida-cramér multiplicity theory for multiple Markov processes and goursat representations..... | L. D. PITT | 199 |
| Errata: | Y. MIYAHARA | 229 |