NAGOYA MATHEMATICAL JOURNAL

VOL. 119

September 1990

PUBLISHED BY
DEPARTMENT OF MATHEMATICS, SCHOOL OF SCIENCE
NAGOYA UNIVERSITY

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

KINOKUNIYA COMPANY LTD. 17-7 Shinjuku 3-chome, Shinjuku-ku Tokyo 160-91 JAPAN

The annual subscription price for 1990 is about \$230.00.

Published by
KINOKUNIYA COMPANY LTD.
Tokyo, Japan

NAGOYA MATHEMATICAL JOURNAL

VOL. 119

September 1990

Edited by

KAZUHIKO AOMOTO, TAKEYUKI HIDA, NOBORU ITO, YOSHIYUKI KITAOKA,
TOMIO KUBOTA, HIDEYUKI MATSUMURA, SHIGEFUMI MORI,
HISASI MORIKAWA (Managing Editor), AKIHIKO MORIMOTO,
KATUZI ONO, YOSHIHIRO SHIKATA (Managing Editor),
TOSHIKAZU SUNADA, AKIHIRO TSUCHIYA,
KÔSAKU YOSIDA¹

PUBLISHED BY
DEPARTMENT OF MATHEMATICS, SCHOOL 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.

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, School of Science, Nagoya University, Chikusa-ku, Nagoya, 464-01, Japan.

CONTENTS

Umemura, H.: Birational automorphism groups and differential equations	
Shimizu, A.: A measure valued diffusion process describing an n locus model incorporating gene conversion	81
Lee, KS.: White noise approach to Gaussian random fields	93
Osofsky, B. L.: Injective modules over twisted polynomial rings	107
Burdzy, K.: Minimal fine derivatives and Brownian excursions	115
Saad, H. B. and Janßen, K.: Bernsteins theorem for completely excessive measures	133
Yamazato, M.: Hitting time distributions of single points for 1-dimensional generalized diffusion processes	143
Bump, D., Friedberg, S. and Hoffstein, J. : The Kubota symbol for $Sp(4, Q(i))$	