

ISSN 0027-7630

NAGOYA
MATHEMATICAL JOURNAL

VOL. 104

December 1986

PUBLISHED BY
DEPARTMENT OF MATHEMATICS, FACULTY 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 1986 is about \$ 105.00

Published by
KINOKUNIYA COMPANY LTD.
Tokyo, Japan

ISSN 0027-7630

NAGOYA MATHEMATICAL JOURNAL

VOL. 104

December 1986

Edited by

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

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

Furushima, M.: Singular Del Pezzo surfaces and analytic compactifications of 3-dimensional complex affine space C^3	1
Sato, K.: Bounds of modes and unimodal processes with independent increments	29
Wingberg, K.: Galois groups of number fields generated by torsion points of elliptic curves	43
Adachi, T.: Markov families for Anosov flows with an involutive action	55
Kaneko, A.: On the analyticity of the locus of singularity of real analytic solutions with minimal dimension	63
Popescu, D.: General Néron desingularization and approximation ..	85
Shimomura, T.: Topological entropy and periodic points of a factor of a subshift of finite type	117
Kato, Y.: Mixed periodic Jacobi continued fractions	129
Teranishi, Y.: The ring of invariants of matrices	149
Tonchev, V. D.: Hadamard matrices of order 36 with automorphisms of order 17	163
Matsusaka, T.: On polarized normal varieties, I	175

