

ISSN 0027-7630

NAGOYA
MATHEMATICAL JOURNAL

VOL. 136

December 1994

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 163-91 JAPAN

The annual subscription price for 1994 is about \$ 339.00

Published by
KINOKUNIYA COMPANY LTD.
Tokyo, Japan

ISSN 0027-7630

NAGOYA MATHEMATICAL JOURNAL

VOL. 136

December 1994

Editors

KAZUHIKO AOMOTO, TADAHISA FUNAKI, YOSHIYUKI KITAOKA,
RYOICHI KOBAYASHI, SHIGERU MUKAI, TAKEO OHSAWA,
YOSHIHIRO SHIKATA (Managing Editor), AKIHIRO TSUCHIYA

Associate Editors

TAKEYUKI HIDA, NOBORU ITO, TOMIO KUBOTA,
HIDEYUKI MATSUMURA, SHIGEFUMI MORI, HISASI MORIKAWA,
AKIHIKO MORIMOTO, KATUZI ONO, TOSHIKAZU SUNADA

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. Special letters such as bold-face, German, Greek, and script should be clearly distinguished. Mathematical symbols should appear in the standard style usual for mathematical literature.

Classification numbers from the American Mathematical Society's classification scheme should appear at the bottom of the first page of the manuscript.

Authors are requested to submit a copy with their original manuscript.

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 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

Chen, Z.-Q., Ma, Z.-M. and Röckner, M.: Quasi-homeomorphisms of Dirichlet forms	1
Chung, S.-C.: Complexes of Cousin type and modules of generalized fractions	17
Conca, A.: Symmetric ladders	35
Ballico, E. and Sommese, A. J.: Projective surfaces with K -very ample line bundles of degree $\leq 4K + 4$	57
Bresinsky, H., Curtis, F., Fiorentini, M. and Hoa, L. T.: On the structure of local cohomology modules for monomial curves in P_K^3	81
Kamoi, Y.: Defining ideals of Buchsbaum semigroup rings	115
Kurano, K.: On the vanishing and the positivity of intersection multiplicities over local rings with small non complete intersection loci	133
Tsuchida, T.: Remarks on Fujiwara's stationary phase method on a space of large dimension with a phase function involving electromagnetic fields	157