NAGOYA MATHEMATICAL JOURNAL

VOL. 88

December 1982

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 1983 is about \$105.00

NAGOYA MATHEMATICAL JOURNAL

VOL. 88

December 1982

Edited by

KAZUHIKO AOMOTO, TAKEYUKI HIDA, NOBORU ITO, TOMIO KUBOTA (Managing Editor), HIDEYUKI MATSUMURA, HISASI MORIKAWA, AKIHIKO MORIMOTO, 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 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

Brodmann, M.: Rees rings and form rings of almost complete inter- sections	1
van der Geer, G. and Ueno, K.: Families of abelian surfaces with real multiplication over Hilbert modular surfaces	17
Aomoto, K.: Addition theorem of Abel type for hyper-logarithms	55
Sato, H.: A property of new coordinates defining augmented Schottky spaces	73
Sato, H.: On augmented Schottky spaces and automorphic forms, II	79
Morimoto, H.: On certain complex analytic cobordism between subva- rieties realizing Chern classes of bundles	121
Kurokawa, T.: Exceptionally ramified meromorphic functions with a non-enumerable set of essential singularities	133
Aoki, N.: Homeomorphisms without the pseudo-orbit tracing pro- perty	155
Avramov, L. L.: Pseudo-reflection group actions on local rings	161
Bulizana T. On maximal and any of division quotannian algebras	

Ibukiyama, T.: On maximal orders of division quaternion algebras over the rational number field with certain optimal embeddings. 181

CONTENTS

Sekiguchi,	T. :	On	the	fields	of	rationality	for	curves	and	for	their	
jacobia	n var	ietie	s		•••		• • • •		• • • •	• • • •	• • • • •	197

Umemura, H.:	On the	e maximal	connected	algebraic	subgroups	of	
the Cremona	group	I					213

ii