

NAGOYA
MATHEMATICAL JOURNAL
VOL. 6

OCTOBER, 1953

PUBLISHED BY
DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCE
NAGOYA UNIVERSITY

NAGOYA
MATHEMATICAL JOURNAL
VOL. 6

OCTOBER, 1953

Edited by
SIGEKATU KURODA, YOZO MATSUSHIMA,
TADASI NAKAYAMA, KIYOSHI NOSHIRO, KATUDI ONO, KOSAKU YOSIDA

PUBLISHED BY
MATHEMATICAL INSTITUTE, FACULTY OF SCIENCE
NAGOYA UNIVERSITY

CONTENTS

On a Theorem Concerning the Prolongation of a Differential System	Y. MATSUSHIMA	1
On Finite Groups with Given Conjugate Types I	N. ITÔ	17
On some Asymptotic Properties of Poisson Process	T. HIDA	29
Remarks on the Differential Forms of the First Kind on Algebraic Varieties	Y. KAWAHARA	37
One-Valued Mappings of Groups into Fields	K. MASUDA	41
Some Remarks on Local Rings	M. NAGATA	53
On an Existence Lemma in Valuation Theory	M. NAGATA, T. NAKAYAMA and T. TUZUKU	59
On Absolutely Segregated Algebras	M. IKEDA	63
A Property of some Open Riemann Surfaces and Its Application	T. KURODA	77
Note on the Cohomology Groups of Associative Algebras	H. NAGAO	85
Monomiale Darstellung Endlicher Gruppen	B. HUPPERT	93
On some Asymptotic Properties Concerning Homogeneous Differential Processes	T. SIRAO	95
On some Formulas about Volume and Surface Area	M. KURITA	109
Über die Beziehung der Klassenzahlen der Unterkörper des bizyklischen biquadratischen Zahlkörpers	T. KUBOTA	119
On the triad Excision Theorem of Blakers and Massey	S. ARAKI	129
Theory of Meromorphic Functions on an Open Riemann Surface with Null Boundary	M. TSUJI	137
On Abelian Varieties	H. MORIKAWA	151
A Generalization of the Hahn-Banach Theorem	T. ONO	171
On Absolutely Segregated Algebras and Relative 3-Cohomology Groups of an Algebra	T. NAKAYAMA	177
Correction to My Paper “On Titchmarsh-Kodaira’s Formula Concerning Weyl-Stone’s Eigenfunction Expansion” in Nagoya Mathematical Journal, Vol. 1 (1950), 49–58	K. YOSIDA	187