

NAGOYA
MATHEMATICAL JOURNAL
VOL. 12

DECEMBER, 1957

PUBLISHED BY
DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCE
NAGOYA UNIVERSITY

NAGOYA
MATHEMATICAL JOURNAL
VOL. 12

DECEMBER, 1957

Edited by
SIGEKATU KURODA, Yozô MATSUSHIMA,
TADASI NAKAYAMA, KIYOSHI NOSHIRO, KATUDI ONO, KÔSAKU YOSIDA

PUBLISHED BY
MATHEMATICAL INSTITUTE, FACULTY OF SCIENCE
NAGOYA UNIVERSITY

CONTENTS

Projective Connections and Projective Transformation.	N. TANAKA	1
A Remark on (π, n) -Type CW-Complexes.	K. SHIRAIWA	25
On Holonomy and Homogeneous Spaces.	B. KOSTANT	31
On the Behaviour of Analytic Functions in the Neighbourhood of the Boundary of a Riemann Surface.	A. CORNEA	55
Differentiable Structures on the 15-Sphere and Pontrjagin Classes of Certain Manifolds.	N. SHIMADA	59
On the Dimension of Modules and Algebras (VIII). Dimension of Tensor Products.	S. EILENBERG, A. ROSENBERG and D. ZELINSKY	71
Capacité des Ensembles Produits.	M. OHTSUKA	95
On Pseudo-Analytic Functions.	D. A. STORVICK	131
The Conformal Mapping of Simply-Connected Riemann Surfaces II.	M. HEINS	139
A Note on Infinitesimal Holonomy Groups.	A. NIJENHUIS	145
Sur un Théorème de M. Matsushima.	K. YANO	147
A Set Theory Founded on Unique Generating Principle.	K. ONO	151
On Some Properties of Binary Relations.	K. ONO	161
On Modules of Trivial Cohomology over a Finite Group, II. (Finitely Generated Modules).	T. NAKAYAMA	171
Galois Group of the Maximal Abelian Extension over an Algebraic Number Field.	T. KUBOTA	177
Über die Ordnung Gewisser Untergruppen von $GL(q, p)$	K. NAKAMURA	191
Capacities of Borelian Sets.	M. KISHI	195
Unit Groups of Cyclic Extensions.	T. KUBOTA	221
Generalized Jacobian Varieties and Separable Abelian Extensions of Function Field.	H. MORIKAWA	231

