

NAGOYA
MATHEMATICAL JOURNAL

VOL. 43

September 1971

PUBLISHED BY
MATHEMATICAL INSTITUTE, FACULTY OF SCIENCE
NAGOYA UNIVERSITY

All communications relating to this publication should be addressed to the Editors of the Nagoya Mathematical Journal, Mathematical Institute, Nagoya University, Chikusa-ku, Nagoya, Japan.

NAGOYA
MATHEMATICAL JOURNAL

VOL. 43

September 1971

Edited by

TAKEYUKI HIDA, NOBORU ITO, TOMIO KUBOTA, SIGEKATU KURODA,
HIDEYUKI MATSUMURA, HISASI MORIKAWA, AKIHIKO MORIMOTO,
KIYOSHI NOSHIRO, KATUZI ONO, YOSHIHIRO SHIKATA,
KÔSAKU YOSIDA

PUBLISHED BY
MATHEMATICAL INSTITUTE, FACULTY OF SCIENCE
NAGOYA UNIVERSITY

CONTENTS

Characteristic Classes for Spherical Fiber Spaces. ...A. TSUCHIYA	1
Vector Bundles on an Elliptic Curve.T. ODA	41
Ample Vector Bundles on Curves.R. HARTSHORNE	73
P-Ample Bundles and Their Chern Classes.D. GIESEKER	91
Some Integral Formulas for Hypersurfaces in Euclidean Spaces. B.Y. CHEN	117
Algebras of Finite Cohomological Dimension.J.A. WEHLEN	127
On the Trace of Hecke Operators for Certain Modular Groups.M. YAMAUCHI	137
On a Characterization of the First Ramification Group as the Vertex of the Ring of Integers.Y. MIYATA	151
A Property of the Principal Cluster Sets of a Class of Holomor- phic Functions.F. BAGEMIHL	157
Complex-Harmonic Meier's Theorem.S. YAMASHITA	161
A Note on Extended Ambiguous Points.J.L. STEBBINS	167
Characteristic Classes for PL Micro Bundles.A. TSUCHIYA	169
On Elliptic Curves with Complex Multiplication as Factors of the Jacobians of Modular Function Fields.G. SHIMURA	199