NAGOYA MATHEMATICAL JOURNAL

VOL. 38

March, 1970

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. 38

March, 1970

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, FUCULTY OF SCIENCE
NAGOYA UNIVERSITY

CONTENTS

Meromorphic or Holomorphic Completion of a Reinhardt Domain. ..... E. SAKAI 1

Note on the Infinite Dimensional Laplacian Operator. ... T. HIDA 13

On a Class of Metrical Automorphisms on Gaussian Measure Space. ..... H. NOMOTO 21

A Characterization of the Simple Group $U_5(5)$. ..... K. HARADA 27

Stochastic Integrals Based on Martingales Taking Values in Hilbert Space. ..... H. KUNITA 41

On a Homology Theory Associated to Foliations. ..... Y. SHIKATA 53

Some Remarks on Evaluations of the Primitive Logic. ... H. ONO 63

Sur le Schéma de la Séparation. ..... AYDA I. ARRUDA ET NEWTON C.A. DA COSTA 71

On Principal Function Problem. ..... M. NAKAI 85

A Remark on the Moyal's Construction of Markov Processes. ..... T. SIRAO 91

On a Necessary Condition for the Sample Path Continuity of Weakly Stationary Processes. ..... I. KUBO 103

A Determinate Logic. ..... G. TAKEUTI 113

On a Π_1^0 Set of Positive Measure. ..... H. TANAKA 139

On a Propositional Calculus Whose Decision Problem is Recursively Unsolvable. ..... A. NAKAMURA 145

Prolongations of G-Structures to Tangent Bundles of Higher Order. ..... A. MORIMOTO 153

The Topological Support of Gauss Measure on Hilbert Space. ..... K. ITO 181

Introduction of a Basic Theory of Objects. ..... K. ONO 185