

昭和47年8月25日

兼著
編者
発行

大阪大学理学部

代表者 若槻哲雄
豊中市待兼山町1番1号

大阪大学教養部

代表者 川口慎二
豊中市待兼山町1番1号

大阪市立大学理学部

代表者 吉良竜夫
大阪市住吉区杉本町

印刷所 日本印刷出版株式会社

印刷者 小林積造
大阪市福島区亀甲町2丁目62

CONTENTS

NINOMIYA, N.: On the Potential Taken with Respect to Complex-valued and Symmetric Kernels.	1
KUSAMA, T. AND YAMADA, S.: On Compactness of the Statistical Structure and Sufficiency.	11
FUJISAKI, M., KALLIANPUR, G. AND KUNITA, H.: Stochastic Differential Equations for the Non Linear Filtering Problem.	19
MYUNG, H. C.: On Prime Ideals and Primary Decompositions in a Nonassociative Ring.	41
HARADA, M.: Supplementary Remarks on Categories of Indecomposable Modules.	49
BANNAI, E.: Primitive Extensions of Rank 3 of the Finite Projective Special Linear Groups $PSL(n, q)$, $q=2^f$	57
ENOMOTO, H.: The Characters of the Finite Symplectic Group $Sp(4, q)$, $q=2^f$	75
MARUBAYASHI, H.: Modules over Bounded Dedekind Prime Rings.	95
YAMAKI, H.: On the Janko's Simple Group of Order 175560.	111
YOSIMURA, Z.: Some Properties of Derived Hopf Algebras of λ -modified Differential Hopf Algebras.	113
UEHARA, H.: Algebraic Steenrod Operations in the Spectral Sequence Associated with a Pair of Hopf Algebras.	131
MATSUNAGA, H.: K_G -groups and Invariant Vector Fields on Special G -manifolds.	143
ICHIRAKU, S.: On Realization of Kirby-Siebenmann's Obstructions by 6-manifolds.	159
KOMIYA, K.: Oriented Bordism and Involutions.	165
KONNO, Y.: On Vanishing Theorems of Square-integrable $\bar{\partial}$ -cohomology Spaces on Homogeneous Kähler Manifolds.	183