OSAKA JOURNAL OF MATHEMATICS

EDITED BY

S. ARAKI M. INOUE

M. NAKAOKA T. WATANABE

Volume 6

1969

PUBLISHED JOINTLY BY THE

DEPARTMENTS OF MATHEMATICS

OSAKA UNIVERSITY AND OSAKA CITY UNIVERSITY

INDEX

BARBU, V.: On the Regularity of the Weak Solutions of Abstract Differential Equations. 49
FUJII, M.: Ring Structures of K_U-cohomologies of Dold Manifolds. 107
GOTO, M. and E.T. KOBAYASHI: On the Subgroups of the Centers of Simply Connected Simple Lie Groups—Classification of Simple Lie Groups in the Large. 251
HUBBUCK, J.R.: Automorphisms of Polynomial Algebras and Homotopy Commutativity in H-spaces. 197
IKAWA, M.: A Mixed Problem for Hyperbolic Equations of Second Order with Non-homogeneous Neumann Type Boundary Condition. 339
IKEGAMI, G.: On Classification of Dynamical Systems with Cross-sections. 419
IKEGAMI, T.: A Note on Axiomatic Dirichlet Problem. 39
INOUE, T.: On Isotropy Algebras of a Lie Algebra of Vector Fields Which Satisfies a Certain Convergence Condition. 57
KAWAKUBO, K.: Smooth Structures on $S^p \times S^q$. 165
KOBAYASHI, E.T. and M. GOTO: On the Subgroups of the Centers of Simply Connected Simple Lie Groups—Classification of Simple Lie Groups in the Large. 251
KOBAYASHI, K.: On the Transversal Immersion 209
KONDŌ, R.: On a Construction of Recurrent Markov Chains. 13
KŌNO, N.: Oscillation of Sample Functions in Stationary Gaussian Processes. 1
KURATA, Y., H. MARUBAYASHI and K. MURATA: A Generalization of Prime Ideals in Rings. 291
MARUBAYASHI, H., K. MURATA and Y. KURATA: A Generalization of Prime Ideals in Rings. 291
MINAMI, H.: A Künneth Formula for Equivariant K-theory. 143
MUKAI, J.: On the Stable Homotopy of a Z_2-Moore Space. 63
MURATA, K.: Decomposition of Radical Elements of a Compactly Generated *cm*-lattice. 229
MURATA, K., Y. KURATA and H. MARUBAYASHI: A Generalization of Prime Ideals in Rings. 291
NAKAOKA, M.: Note on the Lefschetz Fixed Point Theorem. 135
NOMURA, Y.: A Non-stable Secondary Operation and Homotopy Classification of Maps. 117

ŌSHIMA, Y.: A Necessary and Sufficient Condition for a Kernel to be a Weak Potential Kernel of a Recurrent Markov Chain. 29
OYAMA, T.: On Multiply Transitive Groups VIII. 315
RAMANUJAM, S.: Topology of Classical Groups. 243
SAITO, T.: On a Lattice Ordered Groupoid. 303
SAVITS, T.H.: The Explosion Problem for Branching Markov Process. ... 375
SILBERGER, A.J.: An Elementary Construction of the Representations of $SL(2, GF(q))$. 329
SUGANO, K.: Supplementary Results on Cogenerators. 235
SUZUKI, S.: On the Knot Associated with the Solid Torus. 475
TAKEUCHI, M.: Nice Functions on Symmetric Spaces. 283
TAKEUCHI, Y.: A Note on Galois Covering. 321
UCHIDA, F.: Exact Sequences Involving Cobordism Groups of Immersions. 397
——— : Stable Operations in Mod p Cohomology Theories. 93
YAJIMA, T.: On a Characterization of Knot Groups of Some Spheres in R^4. 435
YAMADA, T.: On the Group Algebras of Metabelian Groups over Algebraic Number Fields. I..... 211
YAMATO, K.: On the Action of Θ^{2n-1}. 147
YANAGAWA, T.: On Ribbon 2-knots; The 3-manifolds Bounded by the 2-knots. 447
——— : On Ribbon 2-knots II; The Second Homotopy Group of the Complementary Domain. 465

昭和45年3月31日

編集兼発行者
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 小谷恒之
豊中市待兼山町1番1号

大阪市立大学理学部
代表者 柿木二郎
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

RAMANUJAM, S.: Topology of Classical Groups. 243
GOTO, M. and E.T. KOBAYASHI: On the Subgroups of the Centers of Simply Connected Simple Lie Groups—Classification of Simple Lie Groups in the Large. 251
TAKEUCHI, M.: Nice Functions on Symmetric Spaces. 283
MURATA, K., Y. KURATA and H. MARUBAYASHI: A Generalization of Prime Ideals in Rings. 291
SAITO, T.: On a Lattice Ordered Groupoid. 303
OYAMA, T.: On Multiply Transitive Groups VIII. 315
TAKEUCHI, Y.: A Note on Galois Covering. 321
SILBERGER, A.J.: An Elementary Construction of the Representations of $SL(2, GF(q))$. 329
IKAWA, M.: A Mixed Problem for Hyperbolic Equations of Second Order with Non-homogeneous Neumann Type Boundary Condition. 339
SAVITS, T.H.: The Explosion Problem for Branching Markov Process. ... 375
UCHIDA, F.: Exact Sequences Involving Cobordism Groups of Immersions. 397
KOBAYASHI, K.: On the Transversal Immersion. 409
IKEGAMI, G.: On Classification of Dynamical Systems with Cross-sections. 419
YAJIMA, T.: On a Characterization of Knot Groups of Some Spheres in R^4. 435
YANAGAWA, T.: On Ribbon 2-knots; The 3-manifolds Bounded by the 2-knots. 447
——— : On Ribbon 2-knots II; The Second Homotopy Group of the Complementary Domain. 465
SUZUKI, S.: On the Knot Associated with the Solid Torus. 475