

# OSAKA JOURNAL OF MATHEMATICS

EDITED BY

S. ARAKI      M. HARADA  
N. IKEDA      H. NAGAO

WITH THE COOPERATION OF

T. HONDA	M. INOUE	H. KUDŌ
H. KUMANO-GO	H. MORIMOTO	S. MURAKAMI
Y. NAKAI	M. NAKAOKA	N. NINOMIYA
H. OZEKI	H. TANABE	J. TAO
T. WATANABE		

Volume 11

1974

PUBLISHED JOINTLY BY THE  
DEPARTMENTS OF MATHEMATICS  
OSAKA UNIVERSITY AND OSAKA CITY UNIVERSITY



## INDEX

ARAKI, S.: $[p]$ -typical Formal Groups and the Homomorphism $\Omega_*^U \rightarrow \Omega_*^{SO}$ .	347
ASANUMA, T.: On Strongly Invariant Coefficient Rings.	587
BANNAI, E.: On Multiply Transitive Permutation Groups I.	401
BANNAI, E.: On Multiply Transitive Permutation Groups II.	413
BANNAI, E.: On Multiply Transitive Permutation Groups III.	577
FLYNN, B.T.: The Complex Bordism of Cyclic Groups.	503
FUJIWARA, D.: An Approximate Positive Part of a Self-adjoint Pseudo-differential Operator I.	265
FUJIWARA, D.: An Approximate Positive Part of a Self-adjoint Pseudo-differential Operator II.	283
FUKUSHIMA, M.: On the Spectral Distribution of a Disordered System and the Range of a Random Walk.	73
KAMATA, M.: On Complex Cobordism Groups of Classifying Spaces for Dihedral Groups.	367
KOMIYA, K.: Oriented Bordism Modules of $S^1$ -and $(Z_2)^k$ -actions.	451
MARUBAYASHI, H.: Modules over Dedekind Prime Rings II.	517
MARUBAYASHI, H.: Modules over Dedekind Prime Rings III.	547
MARUBAYASHI, H.: Modules over Dedekind Prime Rings IV.	559
MATSUDA, M.: Integration of Ordinary Differential Equations of the First Order by Quadratures.	23
MIMURA, M., MUKAI, J. and NISHIDA, G.: Representing Elements of Stable Homotopy Groups by Symmetric Maps.	105
MINAMI, H.: On the Basic G-spaces.	353
MIYAMOTO, I.: Multiply Transitive Permutation Groups and Odd Primes.	9
MUKAI, J., MIMURA, M. and NISHIDA, G.: Representing Elements of Stable Homotopy Groups by Symmetric Maps.	105
NAGANO, T. and YAGI, K.: The Affine Structures on the Real Two-torus (1).	181
NAGASE, M.: On the Cauchy Problem for Parabolic Pseudo-differential Equations.	239
NAGURA, T.: On the Sectional Curvatures of R-spaces.	211
NAKAOKA, M.: Continuous Maps of Manifolds with Involution I.	129
NAKAOKA, M.: Continuous Maps of Manifolds with Involution II.	147
NAKAOKA, M.: Finite Groups which Act Freely on Spheres.	323
NISHIDA, G., MIMURA, M. and MUKAI, J.: Representing Elements of Stable Homotopy Groups by Symmetric Maps.	105
NOBUSAWA, N.: On Symmetric Structure of a Finite Set.	569

NUMATA, M.: On a Characterization of a Class of the Regular Graphs of Diameter 2. ....	389
OCHIAI, T.: Some Remark on the Defect Relation of Holomorphic Curves. ....	483
OHMIYA, M.: On the Generalized Soliton Solutions of the Modified Korteweg-de Vries Equation. ....	61
ŌSHIMA, H.: On the Stable James Numbers of Projective Spaces. ....	361
OYAMA, T.: On Multiply Transitive Groups XII. ....	595
PICCO, D.J. and PLATZECK, M.I.: On Free Abelian Extensions. ....	15
PLATZECK, M.I. and PICCO, D.J.: On Free Abelian Extensions. ....	15
ROSEMAN, D.: Woven Knots are Spun Knots. ....	307
SAITŌ, Y.: The Principle of Limiting Absorption for the Non-selfadjoint Schrödinger Operator in $R^2$ . ....	295
SHIBATA, K.: Cobordism Algebra of Metacyclic Groups. ....	331
SHIBATA, K.: Oriented and Weakly Complex Bordism of Free Metacyclic Actions. ....	171
SHIBUYA, T.: Some Relations among Various Numerical Invariants for Links. ....	313
SUYAMA, Y.: On the First Main Theorem of Holomorphic Mappings from $C^2$ into $Q_{n-1}(C)$ . ....	425
SUZUKI, S.: On a Complexity of a Surface in 3-sphere. ....	113
SUZUKI, T.: Relative Efficiency of the Sequences of Statistical Tests. ....	37
SUZUKI, T.: The Singularity of Infinite Product Measures. ....	653
TANAKA, S.: Korteweg-de Vries Equation: Construction of Solutions in Terms of Scattering Data. ....	49
TANIGUCHI, K.: On the Hypoellipticity and the Global Analytic-hypoellipticity of Pseudo-differential Operators. ....	221
TSUSHIMA, Y.: On the Existence of Characters of Defect Zero. ....	417
UCHIDA, F.: Linear $SU(n)$ -actions on Complex Projective Spaces. ....	473
VICK, J.W.: Some Applications of the Rothenberg-Steenrod Spectral Sequence. ....	87
WATANABE, K.: Certain Invariant Subrings are Gorenstein I. ....	1
WATANABE, K.: Certain Invariant Subrings are Gorenstein II. ....	379
WHEELER, E.R.: Involutions and Circle Actions Which Bord. ....	163
YAGI, K. and NAGANO, T.: The Affine Structures on the Real Two-torus (1). ....	181
YAMAMOTO, K.: Regularity Theorems of Boundary Value Problems for First Order Systems. ....	637

昭和50年1月20日

編纂兼  
発行者

大阪大学理学部

代表者 松島祥夫  
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 井上正雄  
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

SUYAMA, Y.: On the First Main Theorem of Holomorphic Mappings from $C^2$ into $Q_{n-1}(C)$ . .....	425
KOMIYA, K.: Oriented Bordism Modules of $S^1$ - and $(Z_2)^h$ -actions. ....	451
UCHIDA, F.: Linear $SU(n)$ -actions on Complex Projective Spaces. ....	473
OCHIAI, T.: Some Remark on the Defect Relation of Holomorphic Curves. ....	483
FLYNN, B.T.: The Complex Bordism of Cyclic Groups. ....	503
MARUBAYASHI, H.: Modules over Dedekind Prime Rings II. ....	517
MARUBAYASHI, H.: Modules over Dedekind Prime Rings III. ....	547
MARUBAYASHI, H.: Modules over Dedekind Prime Rings IV. ....	559
NOBUSAWA, N.: On Symmetric Structure of a Finite Set. ....	569
BANNAI, E.: On Multiply Transitive Permutation Groups III. ....	577
ASANUMA, T.: On Strongly Invariant Coefficient Rings. ....	587
OYAMA, T.: On Multiply Transitive Groups XII. ....	595
YAMAMOTO, K.: Regularity Theorems of Boundary Value Problems for First Order Systems. ....	637
SUZUKI, T.: The Singularity of Infinite Product Measures. ....	653