HIROSHIMA MATHEMATICAL JOURNAL

Formerly

JOURNAL OF SCIENCE OF THE HIROSHIMA UNIVERSITY, SERIES A-I (MATHEMATICS)

VOLUME 13

1983

PUBLISHED BY

DEPARTMENT OF MATHEMATICS
FACULTY OF SCIENCE
HIROSHIMA UNIVERSITY
HIROSHIMA, JAPAN

TABLE OF CONTENTS

VOLUME 13, 1983

ALDOSRAY, F. A. M.: On Lie algebras with finiteness conditions665
ARMITAGE, D. H.: Mean values and associated measures of super-
harmonic functions
ASOH, T.: Supplement to "Compact transformation groups on Z_2 -
cohomology spheres with orbit of codimension 1"647
BABA, T.: Regular points for α-harmonic functions
FUJII, K. and M. SUGAWARA: The additive structures of $\tilde{K}(S^{4n+3}/Q_t)$
507
FUJII, M. and Y. HAYASHI: Numerical solutions to problems of the
least squares type for ordinary differential equations477
FUJIKOSHI, Y.: A criterion for variable selection in multiple discriminant
analysis
GARDINER, S. J.: Half-spherical means and boundary behaviour of
subharmonic functions in half-spaces
HASHIMOTO, K. and S. OHARU: Gel'fand integrals and generalized
derivatives of vector measures301
HATANO, K.: Existence and Hölder continuity of derivatives of single
layer Φ -potentials543
HONDA, M.: Lie algebras in which the join of any set of subideals is a
subideal349
INOUE, M.: A stochastic method for solving quasilinear parabolic
equations and its application to an ecological model379
INOUE, T.: The Bergman kernel function for symmetric Siegel domains of
type III393
IWAMIYA, T.: Global existence of solutions to nonautonomous differ-
ential equations in Banach spaces
KAMIYA, S.: Notes on non-discrete subgroups of $\hat{U}(1, n: F)$ 501
KATO, M.: On the limit orders of operator ideals133
KAWAMOTO, N.: Finitely generated subalgebras of generalized solvable
Lie algebras101
KIJIMA, D. and M. NISHI: Kaplansky's radical and Hilbert Theorem
90 II
KIJIMA, D. and M. HISHI: On the space of orderings and the group H
215

k	XIM, I.: Submanifolds of Kaehlerian manifolds and metric compound structures401
k	COBAYASHI, K.: On the asymptotic properties for simple semilinear
	heat equations
k	COHNO, M. and S. OHKOHCHI: Generalized hypergeometric equations
k	of non-Fuchsian type
	ordinary differential equations653
N	MAKI, H.: On the extendibility of vector bundles over the lens spaces and
	the projective spaces
N	AITOMI, T.: On Bremermann's conjecture for the Silov boundary of
	pseudoconvex Riemann domains295
N	IZUTA, Y.: On the behavior of potentials near a hyperplane529
	AGAI, T.: Some nonlinear degenerate diffusion equations with a nonlo-
	cally convective term in ecology165
N	ARUKAWA, K.: Boundary value control of thermoelastic systems227
S	CHIRMEIER, U.: Continuous measure representations on harmonic
	spaces327
S	HUDO, T.: On the relatively smooth subhyperalgebras of hyperalgebras
C	UZUKI, N.: Invariant measures for uniformly recurrent diffusion kernels
S	583
T	ERAMOTO, Y.: On the stability of periodic solutions of the Navier-
	Stokes equations in a noncylindrical domain607
T	OMOEDA, K. and M. MIMURA: Numerical approximations to inter-
	face curves for a porous media equation273
U	DA, H.: LCM-stableness in ring extensions
Y	AMADA, N.: A system of elliptic variational inequalities associated
	with a stochastic switching game109
Y	AMAMOTO, H.: Weak boundary components in R ^N 445
Y	ASUI, T.: On the map defined by regarding embeddings as immersions
	457

CONTENTS

	PAGE
T. YASUI: On the map defined by regarding embeddings as immersions	457
M. FUJII and Y. HAYASHI: Numerical solutions to problems of the least squares type for ordinary differential equations	
S. KAMIYA: Notes on non-discrete subgroups of $\hat{U}(1, n; F)$	501
K. FUJII and M. SUGAWARA: The additive structure of $\tilde{K}(S^{4n+3}/Q_t)$	507
T. BABA: Regular points for α-harmonic functions	523
Y. MIZUTA: On the behavior of potentials near a hyperplane	529
K. HATANO: Existence and Hölder continuity of derivatives of single layer Φ -potentials	543
N. SUZUKI: Invariant measures for uniformly recurrent diffusion kernels	583
Y. TERAMOTO: On the stability of periodic solutions of the Navier-Stokes equations in a noncylindrical domain	607
T. SHUDO: On the relatively smooth subhyperalgebras of hyperalgebras	627
T. ASOH: Supplement to "Compact transformation groups on \mathbb{Z}_2 -cohomology spheres with orbit of condimension 1"	647
T. KURA: Existence of oscillatory solutions for fourth order superlinear ordinary differential equations	
F. A. M. ALDOSRAY: On Lie algebras with finiteness conditions	665