HIROSHIMA MATHEMATICAL JOURNAL

Formerly

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

VOLUME 21

1991

PUBLISHED BY

DEPARTMENT OF MATHEMATICS
FACULTY OF SCIENCE
HIROSHIMA UNIVERSITY
HIGASHI-HIROSHIMA, JAPAN

	•		

TABLE OF CONTENTS

VOLUME 21, 1991

ASANO, H.: Classification of non-compact real simple generalized	
Jordan triple systems of the second kind	463
BORCHERS, W. and T. MIYAKAWA: Algebraic L^2 decay for Navier-	
Stokes flows in exterior domains, II	621
CHEN, XY.: Dynamics of interfaces in reaction diffusion systems	47
FURUTA, H.: Lie algebras in which every soluble subalgebra is either	
abelian or almost-abelian	385
HONDA, M.: Ascendant subalgebras of hyperfinite Lie algebras	529
IMAOKA, M.: Vanishing of Im J classes in the stunted quaternionic	
projective spaces	343
INOUE, M.: Derivation of a porous medium equation from many	
Markovian particles and the propagation of chaos	85
INOUE, T. and H. ISHITANI: Asymptotic periodicity of densities and	
ergodic properties for nonsingular systems	597
ISHITANI, H.: See INOUE, T	597
KAJIKIYA, R.: Radially symmetric solutions of semilinear elliptic	
equations, existence and Sobolev estimates	111
KAJIKIYA, R.: Infinitely many radially symmetric solutions of certain	
semilinear elliptic equations	557
KAMIYA, S.: Discrete subgroups of convergence type of $U(1, n; C)$	
KAMIYA, S.: Notes on elements of $U(1, n; C)$	23
KITAGAWA, F.: An algorithm for constructing a weight-controlled	
subset and its application to graph coloring problem	351
KOBACHI, N. and K. YOSHIDA: Existence and qualitative theorems	
for nonnegative solutions of a semilinear elliptic equation	
KOWATA, A.: See WADA, R.	263
KOWATA, A.: On the construction of spherical hyperfunctions on	• • •
\mathbf{R}^{p+q}	301
KOWATA, A.: Spherical hyperfunctions on the tangent space of	404
symmetric spaces	401
MAEDA, FY.: Martin boundary of a harmonic space with adjoint	4.60
structure and its applications	163
MAEDA, FY., A. MURAKAMI and M. YAMASAKI: Discrete initial	20.5
value problems and discrete parabolic potential theory	
MIYAKAWA, T.: See BORCHERS, W	
WIUKANAMI. A.: SEE MAEDA. FY	. 283

NAKAMURA, M.: Invariant measures and entropies of random
dynamical systems and the variational principle for random
Bernoulli shifts187
OHTOMO, M.: 3-valued problem and reduction of some integer
programming problems427
SEKINE, M.: On homology of the double covering over the exterior of
a surface in 4-sphere419
SHIMOMURA, K.: A spectrum whose BP_* -homology is $(BP_*/I_5)[t_1]$
587
SUZUKI, N.: A note on Dirichlet regularity on harmonic spaces 335
SWE, M.: Higher order asymptotic investigations of weighted
estimators for Gaussian ARMA processes
TSUJII, Y: Markov-self-similar sets
WADA, R. and A. KOWATA: Holomorphic functions on the nilpotent
subvariety of symmetric spaces
WAKAYAMA, M.: A note on the Selberg zeta function for compact
quotients of hyperbolic spaces
WONG, FH. and CC. YEH: An oscillation criterion for Sturm-
Liouville equations with Besicovitch almost-periodic coefficients
YAGUCHI, H.: A discrete time interactive exclusive random walk of
,
infinitely many particles on one-dimensional lattices
YAMASAKI, M.: See MAEDA, FY
YEH, CC.: See WONG, FH
YOSHIDA, K.: See KOBACHI, N

CONTENTS

Page
M. OHTOMO: 3-valued problem and reduction of some integer programming problems
H. ASANO: Classification of non-compact real simple generalized Jordan triple systems of the second kind
Y. TSUJII: Markov-self-similar sets
FH. WONG and CC. YEH: An oscillation criterion for Sturm-Liouville equations with Besicovitch almost-periodic coefficients
M. HONDA: Ascendant subalgebras of hyperfinite Lie algebras
M. WAKAYAMA: A note on the Selberg zeta function for compact quotients of hyperbolic spaces
R. KAJIKIYA: Infinitely many radially symmetric solutions of certain semilinear elliptic equations
K. SHIMOMURA: A spectrum whose BP_* -homology is $(BP_*/I_5)[t_1]$ 587
T. INOUE and H. ISHITANI: Asymptotic periodicity of densities and ergodic properties for nonsingular systems
W. BORCHERS and T. MIYAKAWA: Algebraic L ² decay for Navier-Stokes flows in exterior domains, II