

HIROSHIMA MATHEMATICAL JOURNAL

Formerly

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

VOLUME 22

1992

PUBLISHED BY

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

TABLE OF CONTENTS

VOLUME 22, 1992

AGARWAL, R. P.: Component-wise convergence of quasilinearization method for nonlinear boundary value problems	525
ALDOSRAY, F. A. M. and I. STEWART: Ascending chain conditions on special classes of ideals of Lie algebras	1
BARCHINI, L. and F. L. WILLIAMS: Periodic zeta functions for rank 1 space forms of symmetric spaces	33
DZURINA, J. and J. OHRISKA: Asymptotic and oscillatory properties of differential equations with deviating argument	561
EGUCHI, M. and S. TANAKA: The explicit representation of the determinant of Harish-Chandra's C -function in $SL(3, R)$ and $SL(4, R)$ cases	57
EGUCHI, S.: The projection method for accelerated life test model in bivariate exponential distributions	185
EGUCHI, S.: Geometry of minimum contrast	631
EI, S.: See OHARA, K.	365
ELBERT, Á. and T. KUSANO: On the differential equation $y'' + p(t) y' \operatorname{sgn} y + q(t)y = 0$	203
FUJIKOSHI, Y.: See YOKOYAMA, T.	195
FUJIKOSHI, Y.: On confidence regions in canonical discriminant analysis	469
FURUSHO, Y.: Note on singular semilinear elliptic equations	591
FUTAGAMI, K.: An efficient method for searching characteristic patterns of a subset in a large set of character sequences	597
HASHIMOTO, T. and R. SAWAE: A linearization of $S(U(1) \times U(2)) \setminus SU(1, 2)\sigma$ -model	445
INUTSUKA, M.: See SASABUCHI, S.	551
ISHIKAWA, T.: Congruences between binomial coefficients $\binom{2f}{f}$ and Fourier coefficients of certain η -products	583
KAKIMIZU, O.: Finding disjoint incompressible spanning surfaces for a link	225
KAMIYAMA, Y.: Topology of moduli space of certain $SU(2)$ connections of degree 2 over S^4	23
KOCIC, V. Lj. and G. LADAS: Linearized oscillations for difference equations	95
KOIKE, M.: Hypergeometric series over finite fields and Apéry numbers	461

KOWATA, A. and R. WADA: Zonal polynomials on the space of 3×3 positive definite symmetric matrices	433
KULATUNGA, D. D. S.: See SASABUCHI, S.	551
KUSANO, T.: See ELBERT, Á.	203
KUSANO, T. and M. NAITO: Kiguradze classes for radial entire solutions of higher order quasilinear elliptic equations	301
LADAS, G.: See KOCIC, V. Lj.	95
LI, Z.: An asymptotic optimality of the discriminant procedure based on a nearest neighbor density estimator	649
MARUŠIAK, P.: Nonoscillatory solutions of systems of neutral differential equations	543
MASUMOTO, M.: Estimates of the euclidean span for an open Riemann surface of genus one	573
MIYAKAWA, T. and M. YAMADA: Planar Navier-Stokes flows in a bounded domain with measures as initial vorticities	401
NAGAI, T.: See OHARA, K.	365
NAITO, M.: See KUSANO, T.	301
NISHII, R.: Saddlepoint approximation for the distribution function of the mean of random variables	177
OHARA, K., S. EI and T. NAGAI: Stationary solutions of a reaction- diffusion equation with a nonlocal convection	365
OHMORI, H.: Classification of weighing matrices of small orders	129
OHRISKA, J.: See DZURINA, J.	561
OKAI, T.: An explicit description of the Teichmüller space as holonomy representations and its applications	259
OKOCHI, H.: Asymptotic behavior of solutions to certain nonlinear parabolic evolution equations II	237
OSIKAWA, M. and H. TOTOKI: Self-similarity of ergodic measure preserving transformations	219
RIBENBOIM, P. F.R.S.C.: Infinite families of non-principal prime ideals	125
RUAN, J.: See WU, X.	115
SASABUCHI, S., M. INUTSUKA and D. D. S. KULATUNGA: An algorithm for computing multivariate isotonic regression	551
SATO, M.: A study of an identification problem and substitute use of principal component analysis in factor analysis	479
SAWABE, Y.: Legendre character sums	15
SAWAE, R.: See HASHIMOTO, T.	445
STEWART, I.: See ALDOSRAY, F. A. M.	1
TANAKA, S.: See EGUCHI, M.	57

TOTOKI, H.: See OSIKAWA, M.	219
USAMI, H.: Positive solutions of singular Emden-Fowler type systems	
.....	421
WADA, R.: See KOWATA, A.	433
WATSON, N. A.: Cofine boundary behaviour of temperatures	103
WILLIAMS, F. L.: See BARCHINI, L.	33
WU, X. and J. RUAN: Asymptotic behavior of a biological model with time delays	115
YAMADA, M.: See MIYAKAWA, T.	401
YAMADA, T.: On the reflexivity of certain fibered 3-knots	397
YASUNAGA, H.: Kirillov-Kostant theory and Feynman path integrals on coadjoint orbits II	387
YOKOYAMA, T. and Y. FUJIKOSHI: Tests for random-effects covariance structures in the growth curve model with covariates	195
YOSIMURA, Z.: Injective spectra with respect to the <i>K</i> -homologies	
.....	273

CONTENTS

	PAGE
T. HASHIMOTO and R. SAWAE: A linearization of $S(U(1) \times U(2)) \backslash SU(1, 2)$ σ -model	445
M. KOIKE: Hypergeometric series over finite fields and Apéry numbers	461
Y. FUJIKOSHI: On confidence regions in canonical discriminant analysis	469
M. SATO: A study of an identification problem and substitute use of principal component analysis in factor analysis	479
R. P. AGARWAL: Component-wise convergence of quasilinearization method for nonlinear boundary value problems	525
P. MARUŠIAK: Nonoscillatory solutions of systems of neutral differential equations	543
S. SASABUCHI, M. INUTSUKA and D. D. S. KULATUNGA: An algorithm for computing multivariate isotonic regression	551
J. DZURINA and J. OHRISKA: Asymptotic and oscillatory properties of differential equations with deviating argument	561
M. MASUMOTO: Estimates of the euclidean span for an open Riemann surface of genus one	573
T. ISHIKAWA: Congruences between binomial coefficients $\binom{2f}{f}$ and Fourier coefficients of certain η -products	583
Y. FURUSHO: Note on singular semilinear elliptic equations	591
K. FUTAGAMI: An efficient method for searching characteristic patterns of a subset in a large set of character sequences	597
S. EGUCHI: Geometry of minimum contrast	631
Z. LI: An asymptotic optimality of the discriminant procedure based on a nearest neighbor density estimator	649