

TÔHOKU MATHEMATICAL JOURNAL

東北數學雜誌

(FOUNDED BY T. HAYASHI)

EDITED BY

MASANORI FUKAMIYA TADASHI KURODA
SHIGEO SASAKI GEN-ICHIRO SUNOUCHI
TADAO TANNAKA TAMOTSU TSUCHIKURA
TARO YOSHIZAWA

WITH THE CO-OPERATION OF THE
MATHEMATICAL INSTITUTE OF TÔHOKU UNIVERSITY

SECOND SERIES VOL. 21, NO. 4

1969

THE TÔHOKU UNIVERSITY
SENDAI, JAPAN

CONTENTS

Volume 21, 1969

ABE, E., Chevalley groups over local rings	474~494
BEHNCKE, H., Automorphisms of crossed products	580~600
BLAIR, D. E. AND LUDDEN, G. D., Hypersurfaces in almost contact manifolds.....	354~362
CONSTANTINESCU, C. AND CORNEA, A., Nuclearity on harmonic spaces	558~572
DITZIAN, Z. AND JAKIMOVSKI, A., Convergence and inversion results for a class of convolution transforms.....	195~220
GRAY, A., Kähler submanifolds of homogeneous almost Hermitian manifolds.. ..	190~194
GRAY, A., Six dimensional almost complex manifolds defined by means of three-fold vector cross products	614~620
IGARI, S. AND UNO, Y., Banach algebra related to the Jacobi polynomials	668~673
IGARI, S., Functions of L^p -multipliers.....	304~320
ITAGAKI, Y., Note on the re-topologization of a space by a set of operators	448~450
IZUMI, M., IZUMI, S. AND PETERSEN, G. M., On Hardy's inequality and its generalization	601~613
KAMEI, N., Simply invariant subspace theorems for antisymmetric finite subdiagonal algebras	467~473
KANNO, K., On the absolute Nörlund summability of the factored Fourier series	434~447
KATO, T. and Motomiya, K., A study on certain homogeneous spaces ...	1~ 20
KATO, T., Rings of U -dominant dimension ≥ 1	321~327
KENMOTSU, K., Invariant submanifolds in a Sasakian manifold.....	495~500
KITANO, K., A note on invariant subspaces.....	144~151
KOBAYASHI, M., Capacities of sets and harmonic analysis on the group 2^n	419~433
KOBAYASHI, M., Correction: Capacities of sets and harmonic analysis on the group 2^n	676

LEVIATAN, D., Some Tauberian theorems concerning (S^*, μ) transformations	389~405
MARIĆ, V. and SHAH, S. M., Entire functions defined by gap power series and satisfying a differential equation	621~631
MIYADERA, I., On the convergence of nonlinear semi-groups	221~236
NAGAMI, K., Hereditary properties of product spaces	39~ 46
OGIUE, K., Prolongations of pseudogroup structures to tangent bundles...	84~ 91
OKAYASU, T., On GCR -operators	573~579
PETERSEN, G. E. AND TUCKER, D. H., On the equivalence in Banach spaces of a convergence theorem of Bernstein type, a Hausdorff type moment problem and a regularity theorem ...	170~189
PRULLAGE, D. L., Summability in topological groups, IV (convergence fields)	159~169
RAMMANUJAN, S., Application of Morse theory to some homogeneous spaces	343~353
RYAN, P. J., Homogeneity and some curvature conditions for hypersurfaces	363~388
SAEKI, S., Operating functions on $B_0(\widehat{G})$ in plane regions	112~116
SAGAWA, A., Some function-theoretic null sets	456~466
SAITÔ, K., On the algebra of measurable operators for a general AW^* -algebra	249~270
SHIBA, M., On a theorem of Haar	451~455
SIU, Y.-T., Normal families of Cousin I and II data.....	548~557
SUZUKI, Y. and Watanabe, S., Some remarks on saturation problem in the local approximation II	65~ 83
SZALAY, I., On the absolute summability of Fourier series.....	523~531
TACHIBANA, S. AND OGAWA, Y., On η -cohomology of $\eta^\#$ -invariant forms in a compact Sasakian space	632~643
TACHIBANA, S., On conformal Killing tensor in a Riemannian space ...	56~ 64
TAKAHASHI, S., On trigonometric Fourier coefficients.....	406~418
TAKAHASHI, T., Galois cohomology of finitely generated modules ...	102~111
TAKAHASHI, T., Sasakian hypersurfaces in a space of constant curvature.....	644~653
TAKAHASHI, T., Sasakian manifold with pseudo-Riemannian metric ...	271~290
TAKEMOTO, H., On the homomorphism of von Neumann algebra.....	152~157

TAKEMOTO, H., On the integral representation of some functional on a von Neumann algebra	237~248
TANI, M., An example of an odd dimensional positively pinched Riemannian manifold	532~538
TANNO, S., Hypersurfaces satisfying a certain condition on the Ricci tensor	297~303
TANNO, S., Sasakian manifolds with constant ϕ -holomorphic sectional curvature	501~507
TANNO, S., The automorphism groups of almost contact Riemannian manifolds.....	21~ 38
TASHIRO, Y., On contact structures of tangent sphere bundles	117~143
TODA, N., Comparison between $T(r, f)$ and $\log M(r, f)$	291~296
TODA, N., Sur quelques fonctions entières ou méromorphes à l'égard de la conjecture de Paley	654~667
TOMONAGA, Y., Pseudo-Jacobi fields on minimal varieties	539~547
TSUKAMOTO, Y., Some corrections to "Closed geodesics on certain Riemannian manifolds of positive curvature"	674~675
UCHIDA, K., On Tate's duality theorems in Galois cohomology	92~101
VASILESCU, F. H., Residually decomposable operators in Banach spaces	509~522
YAMASHITA, S., Some remarks on analytic continuations	328~335
YOSHINO, T., Correction: On a problem of Bonsall	158
YOSHINO, T., Subnormal operator with a cyclic vector.....	47~ 55
YUE CHI MING, R., A note on singular ideals	337~342

CONTENTS

	page
F. -H. VASILESCU, Residually decomposable operators in Banach spaces	509
I. SZALAY, On the absolute summability of Fourier series	523
M. TANI, An example of an odd dimensional positively pinched Riemannian manifold	532
Y. TOMONAGA. Pseudo-Jacobi fields on minimal varieties	539
Y. -T. SIU, Normal families of Cousin I and II data	548
C. CONSTANTINESCU AND A. CORNEA, Nuclearity on harmonic spaces ...	558
T. OKAYASU, On <i>GCR</i> -operators	573
H. BEHNCKE, Automorphisms of crossed products	580
M. IZUMI, S. IZUMI and G. M. PETERSEN, On Hardy's inequality and its generalization	601
A. GRAY, Six dimensional almost complex manifolds defined by means of three-fold vector cross products	614
V. MARIĆ AND S. M. SHAH, Entire functions defined by gap power series and satisfying a differential equation	621
S. TACHIBANA AND Y. OGAWA, On η -cohomology of η^* -invariant forms in a compact Sasakian space.....	632
T. TAKAHASHI, Sasakian hypersurfaces in a space of constant curvature ...	644
N. TODA, Sur quelques fonctions entières ou méromorphes à l'égard de la conjecture de Paley	654
S. IGARI AND Y. UNO, Banach algebra related to the Jacobi polynomials ...	668
Y. TSUKAMOTO, Some corrections to "Closed geodesics on certain Riemannian manifolds of positive curvature"	674
M. KOBAYASHI, Correction: Capacities of sets and harmonic analysis on the group 2^{ω}	676