

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. 19, NO. 4

December 1967

THE TÔHOKU UNIVERSITY
SENDAI, JAPAN

CONTENTS

Volume 19, 1967

AKO, M. AND YANO, K., Notes on covariant almost analytic vector fields	187~197
AZUMA, K., Weighted sums of certain dependent random variables	357~367
BORWEIN, D. AND SHAWYER, B. L. R., On Borel-type methods II	232~237
BORWEIN, D. AND SHAWYER, B. L. R., Correction: On Borel-type methods	244
FLAHERTY, F. J., Spheres and cells in negatively curved spaces	406~410
HAKEDA, J., On property P of von Neumann algebras	238~242
HAKEDA, J. AND TOMIYAMA, J., On some extension properties of von Neumann algebras	315~323
IKENO, K., Correction: Summability methods of Borel type and Tauberian series	101
IRWIN, R. L., Correction: Absolute summability factors I	243
KATO, J., On the existence of O -curves	49~ 62
KATO, J., On the existence of O -curves II	126~140
KATO, T., Duality of cyclic modules	349~356
KATO, T., Self-injective rings	485~495
KAZAMAKI, N. AND TSUCHIKURA, T., Weighted averages of submartingales	297~302
KHAN, M. A. AND RAHMAN, Q. I., Functions of exponential type belonging to L^p on the real line	396~399
KOBAYASHI, S., Imbeddings of homogeneous spaces with minimum total curvature	63~ 70
KURIYAMA, Y. AND ÔIKE, H., On the retractions of stunted projective spaces	454~461
LAI, H. F., Weakened Bertrand curves	141~155
LAI, H. F. AND WONG, Y. C., A critical examination of the theory of curves in three dimensional differential geometry	1~ 31
LAKSHMINARASIMHAN, T. V., On the mean of an entire function and the mean of the product of two entire functions	417~422
MOCHIZUKI, N., Correction: Isometry between $H^p(dm)$ and the Hardy class H^p	379
NADLER, S. M., JR., Differentiable retractions in Banach spaces	400~405

OGAWA, Y., On 5-dimensional Sasaki-Einstein space with sectional curvature $\geq 1/3$	103~109
OGAWA, Y., On C -harmonic forms in a compact Sasakian space	267~296
OGAWA, Y., On C -killing forms in a compact Sasakian space	467~484
OHNO, Y., Simply invariant subspaces	368~378
ÔIKE, H. AND KURIYAMA, Y., On the retractions of stunted projective spaces	454~461
OKUMURA, M., Certain hypersurfaces of an odd dimensional sphere	381~395
OKUYAMA, Y., On contraction of Walsh Fourier series	156~167
ÔTSUKI, T., On parallel hypersurfaces of an elliptic hypersurface of the second order in E^{n+1}	251~266
RAHMAN, Q. I. AND KHAN, M. A., Functions of exponential type belonging L^p on the real line	396~399
SAITÔ, K., On the preduals of W^* -algebras	324~331
SAITÔ, K., Non-commutative extension of Lusin's theorem	332~340
SAITÔ, T., Numerical ranges of tensor products of operators	98~100
SATYANARAYANA, M., Characterization of local rings	411~416
SEIFERT, G., On total stability and asymptotic stability	71~74
SHAWYER, B. L. R. AND BORWEIN, D., On Borel-type methods II	232~237
SHAWYER, B. L. R. AND BORWEIN, D., Correction : On Borel-type methods	244
SHERIF, S., A Tauberian constant for the (S, μ_{n+1}) transformation	110~125
STRAIT, P., On Kitagawa's functional integral	75~78
SUNOUCHI, G., On the convolution algebra of Beurling	303~310
SUNOUCHI, G., Some criteria for the absolute summability of a Fourier series	311~314
SUNOUCHI, G., On the Littlewood-Paley function g^* of multiple Fourier integrals and Hankel multiplier transformations	496~511
SUZUKI, Y., Saturation of local approximation by linear positive operators of Bernstein type	429~453
TACHIBANA, S., On a decomposition of C -harmonic forms in a compact Sasakian space	198~212
TAKAHASHI, S., On the lacunary Fourier series	79~85
TANI, M., On a conformally flat Riemannian space with positive Ricci curvature	227~231
TANNO, S., Strongly curvature-preserving transformations of pseudo-Riemannian manifolds	245~250
TANNO, Y., On a class of convolution transform II	168~186
TOMIYAMA, J., Applications of Fubini type theorem to the tensor products of C^* -algebras	213~226

CONTENTS

	Page
M. OKUMURA, Certain hypersurfaces of an odd dimensional sphere.....	381
Q. I. RAHMAN AND M. A. KHAN, Functions of exponential type belonging to L^p on the real line	396
S. B. NADLER, Jr., Differentiable retractions in Banach spaces	400
F. J. FLAHERTY, Spheres and cells in negatively curved spaces	406
M. SATYANARAYANA, Characterization of local rings	411
T. V. LAKSKMINARASIMHAN, On the mean of an entire function and the mean of the product of two entire functions.....	417
T. YOSHIZAWA, Existence of a globally uniform-asymptotically stable periodic and almost periodic solution	423
Y. SUZUKI, Saturation of local approximation by linear positive operators of Bernstein type	429
H. ÔIKE AND Y. KURIYAMA, On the retractions of stunted projective spaces	454
Y. TOMONAGA, Index and cobordism.....	462
Y. OGAWA, On C -killing forms in a compact Sasakian space.....	467
T. KATO, Self-injective rings	485
G. SUNOUCHI, On the Littlewood-Paley function g^* of multiple Fourier integrals and Hankel multiplier transformations.....	496