

JOURNAL  
OF THE  
MATHEMATICAL SOCIETY OF JAPAN

VOL. 56 NO. 2

APRIL, 2004

CONTENTS

<b>U. C. JI and N. OBATA</b> , A role of Bargmann-Segal spaces in characterization and expansion of operators on Fock space .....	311
<b>S. STEVIĆ</b> , On harmonic Hardy spaces and area integrals .....	339
<b>J. TOMIYAMA</b> , Hulls and kernels from topological dynamical systems and their applications to homeomorphism $C^*$ -algebras .....	349
<b>R. IKEHATA, Y. MIYAOKA and T. NAKATAKE</b> , Decay esitimates of solutions for dissipative wave equations in $R^n$ with lower power nonlinearities .....	365
<b>K. GUNJI</b> , On the graded ring of Siegel modular forms of degree 2, level 3 .....	375
<b>K. KAJITANI and A. SATOH</b> , On extension of solutions of Kirchhoff equations ..	405
<b>S. J. BHATT, A. INOUE and K.-D. KÜRSTEN</b> , Well-behaved unbounded operator representations aud unbounded $C^*$ -seminorms .....	417
<b>A. WACHI</b> , Capelli type identities on certain scalar generalized Verma modules, II .....	447
<b>Q.-M. CHENG</b> , Spherical rigidities of submanifolds in Euclidean spaces .....	475
<b>M. G. CHARALAMBOUS, V. A. CHATYRKO and Y. HATTORI</b> , The behavior of dimension functions on unions of closed subsets .....	489
<b>T. KITANO, T. MORIFUJI and M. TAKASAWA</b> , $L^2$ -torsion invariants of a surface bundle over $S^1$ .....	503
<b>H. MATSUMOTO and Y. OGURA</b> , Markov or non-Markov property of $cM-X$ processes .....	519
<b>J. PEDERSEN and K. SATO</b> , Relations between cone-parameter Lévy processes and convolution semigroups .....	541
<b>Y. KATABAMI and M. NAGISA</b> , Some subsemigroups of extensions of $C^*$ -algebras .....	561
<b>P. SOUPLET and S. TAYACHI</b> , Optimal condition for non-simultaneous blow-up in a reaction-diffusion system .....	571
<b>T. NARAZAKI</b> , $L^p$ - $L^q$ estimates for damped wave equations and their applications to semi-linear problem .....	585
<b>T. SHODA</b> , A construction of a family of full compact minimal surfaces in 4-dimensional flat tori .....	627
<b>T. NAKAMURA</b> , A classification of $Q$ -curves with complex multiplication .....	635

