VOL. 57 NO. 1 JANUARY, 2005

CONTENTS

N. Ando, A conjecture in relation to Loewner's conjecture 1
T. Izawa and K. Nakajima, Residues of Chern-Maslov classes 21
C. Eyral and M. Oka, On the fundamental groups of the complements of plane singular sextics 37
Y. Mashiko, K. Nagano and K. Otsuka, The asymptotic cones of manifolds of roughly non-negative radial curvature 55
V. Balan and J. Dorfmeister, Weierstrass-type representation for harmonic maps into general symmetric spaces via loop groups 69
K. Tsuboi, The finite group action and the equivariant determinant of elliptic operators 95
S. Wakatsuki, The Igusa local zeta function of the simple prehomogeneous vector space $(GL(1)^4\times SL(2n+1), \Lambda_2\oplus\Lambda_1\oplus\Lambda_1\oplus\Lambda_1)$ 115
K. Watanabe, Zero sets of solutions of second order parabolic equations with two spatial variables 127
S. Kitagawa, On Mordell-Weil lattices of bielliptic fibrations on rational surfaces 137
S. Gindikin and T. Matsuki, A remark on Schubert cells and the duality of orbits on flag manifolds 157
M. Efendiev and A. Yagi, Continuous dependence on a parameter of exponential attractors for chemotaxis-growth system 167
Y. Ding and Q. Xue, Weak type $(1, 1)$ bounds for a class of the Littlewood-Paley operators 183
C. Kai and T. Nomura, A characterization of symmetric cones through pseudoinverse maps 195
Y. Hashimoto, Special values of the spectral zeta functions for locally symmetric Riemannian manifolds 217
Y. Aihara and S. Mori, Deficiencies of meromorphic mappings for hypersurfaces 233
R. Schmidt, Iwahori-spherical representations of $GSp(4)$ and Siegel modular forms of degree 2 with square-free level 259
A. Nilsson, Fourier multiplieas on non-Riemannian symmetric spaces 295