

CONTENTS

Hitoshi ARAI — Hardy Spaces, Carleson Measures and a Gradient Estimate for Harmonic Functions on Negatively Curved Manifolds	1
Richard E. BORCHERDS — Quantum Vertex Algebras	51
Kenji FUKAYA and Kaoru ONO — Floer Homology and Gromov-Witten Invariant over Integer of General Symplectic Manifolds – Summary –	75
Mi-Ho GIGA, Yoshikazu GIGA and Ryo KOBAYASHI — Very Singular Diffusion Equations	93
János KOLLÁR — The Topology of Real and Complex Algebraic Varieties	127
Shigeo KUSUOKA — Approximation of Expectation of Diffusion Process and Mathematical Finance	147
George LUSZTIG — Representation Theory in Characteristic p	167
Paul MALLIAVIN — Probability and Geometry	179
Shinichi MOCHIZUKI — The Intrinsic Hodge Theory of p -adic Hyperbolic Curves	211
Adrian OCNEANU — Operator Algebras, Topology and Subgroups of Quantum Symmetry – Construction of Subgroups of Quantum Groups –	235
Srinivasa R. S. VARADHAN — Large Deviation and Hydrodynamic Scaling	265