Contents

Critical Allard Regularity in Dimension Two and Its Application
..... Yuchen Bi, Jie Zhou 1

A Survey on the Complex Hessian Equation on Compact Kähler Manifolds
..... Jianchun Chu 14

Minimal Graphs over Manifolds
..... Qi Ding 28

Deformation Quantization and Noncommutative Differential Geometry
..... Haoyuan Gao, Xiao Zhang 48

The Isoperimetric Problem in Riemannian Manifolds Endowed with Conformal Vector Fields
..... Jiayu Li, Shujing Pan 69

Adiabatic Limit Formula for Bismut-Cheeger Eta Forms
..... Bo Liu, Mengqing Zhan 81

Optimal Degeneration Problem of Fano Threefolds
..... Minghao Miao 95

Spaces with Ricci Curvature Lower Bounds
..... Jiayin Pan, Guofang Wei 103

Harmonic Metrics and Higgs Bundles
..... Di Wu 120

Pluriclosed Flow on Hermitian-Symplectic Manifolds
..... Yanan Ye 134

Weyl's Lemma on $RCD(K,N)$-spaces and an Application to PDEs on $\mathbb{R}^n$
..... Peng Yu, Hui-Chun Zhang, Xi-Ping Zhu 140

Quadratic Hessian Equation
..... Yu Yuan 157

Transcendental Okounkov Bodies
..... Kewei Zhang 178

Log Gradient Estimates for Heat Type Equations on Manifolds
..... Qi S. Zhang 186