

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