

Contents

Minimal Legendrian Surfaces in the Five-Dimensional Heisenberg Group	1
Reiko Aiyama and Kazuo Akutagawa	
Gluing Principle for Orbifold Stratified Spaces.	15
Bohui Chen, An-Min Li and Bai-Ling Wang	
Applications of the Affine Structures on the Teichmüller Spaces	59
Kefeng Liu, Yang Shen and Xiaojing Chen	
Critical Points of the Weighted Area Functional.	81
Qing-Ming Cheng	
A New Look at Equivariant Minimal Lagrangian Surfaces in $\mathbb{C}P^2$	97
Josef F. Dorfmeister and Hui Ma	
A Survey on Balanced Metrics	127
Jixiang Fu	
Can One Hear the Shape of a Group?	139
Koji Fujiwara	
Differential Topology Interacts with Isoparametric Foliations	147
Chao Qian and Jianquan Ge	
Unobstructed Deformations of Generalized Complex Structures Induced by C^∞ Logarithmic Symplectic Structures and Logarithmic Poisson Structures	159
Ryushi Goto	
The Symplectic Critical Surfaces in a Kähler Surface.	185
Xiaoli Han, Jiayu Li and Jun Sun	
Some Evolution Problems in the Vacuum Einstein Equations	195
Junbin Li and Xi-Ping Zhu	

Willmore 2-Spheres in S^n: A Survey	211
Xiang Ma and Peng Wang	
The Yau-Tian-Donaldson Conjecture for General Polarizations, I.	235
Toshiki Mabuchi	
Behavior of Gaussian Curvature and Mean Curvature Near Non-degenerate Singular Points on Wave Fronts	247
L.F. Martins, K. Saji, M. Umehara and K. Yamada	
The Calabi Invariant and Central Extensions of Diffeomorphism Groups.	283
Hitoshi Moriyoshi	
Concentration, Convergence, and Dissipation of Spaces	299
Takashi Shioya	
The Space of Left-Invariant Riemannian Metrics	315
Hiroshi Tamaru	
Futaki Invariant and CM Polarization.	327
Gang Tian	

Geometry and Topology of Manifolds

10th China-Japan Conference 2014

Futaki, A.; Miyaoka, R.; Tang, Z.; Zhang, W. (Eds.)

2016, XII, 348 p. 14 illus., 10 illus. in color., Hardcover

ISBN: 978-4-431-56019-7