

Contents

Fatou Flowers and Parabolic Curves	1
Marco Abate	
A CR Proof for a Global Estimate of the Diederich–Fornaess Index of Levi-Flat Real Hypersurfaces	41
Masanori Adachi	
Unbounded Pseudoconvex Domains in \mathbb{C}^n and Their Invariant Metrics	49
Taeyong Ahn, Hervé Gaussier and Kang-Tae Kim	
Abstract Basins of Attraction	57
Leandro Arosio	
Invertible Dynamics on Blow-ups of \mathbb{P}^k	67
Eric Bedford	
On Nazarov’s Complex Analytic Approach to the Mahler Conjecture and the Bourgain-Milman Inequality.	89
Zbigniew Błocki	
A Survey on Bergman Completeness	99
Bo-Yong Chen	
Structure Theorems for Compact Kähler Manifolds with Nef Anticanonical Bundles	119
Jean-Pierre Demailly	
An Estimate for the Squeezing Function and Estimates of Invariant Metrics.	135
J.E. Fornæss and E.F. Wold	

Classification of Proper Holomorphic Mappings Between Generalized Pseudoellipsoids of Different Dimensions	149
Atsushi Hayashimoto	
Bergman Kernel Asymptotics and a Pure Analytic Proof of the Kodaira Embedding Theorem	161
Chin-Yu Hsiao	
On the Density and the Volume Density Property	175
Shulim Kaliman and Frank Kutzschebauch	
On Meromorphic Continuation of Local Zeta Functions	187
Joe Kamimoto and Toshihiro Nose	
Themes on Non-analytic Singularities of Plurisubharmonic Functions	197
Dano Kim	
Proper Holomorphic Maps Between Bounded Symmetric Domains . . .	207
Sung-Yeon Kim	
Characterizations of Strongly Pseudoconvex Models in Almost Complex and CR Geometries	221
Kang-Hyurk Lee	
Compact Smooth but Non-complex Complements of Complete Kähler Manifolds	235
Xu Liu	
Injectivity Theorems with Multiplier Ideal Sheaves and Their Applications	241
Shin-ichi Matsumura	
Amoebas of Cuspidal Strata for Classical Discriminant	257
E.N. Mikhalkin, A.V. Shchuplev and A.K. Tsikh	
A Remark on Hörmander's Isomorphism	273
Takeo Ohsawa	
The Julia-Wolff-Carathéodory Theorem and Its Generalizations	281
Jasmin Raissy	

A Brief Survey on Local Holomorphic Dynamics in Higher Dimensions	295
Feng Rong	
L^2-Serre Duality on Singular Complex Spaces and Applications.	309
J. Ruppenthal	
Proper Holomorphic Maps Between Bounded Symmetric Domains . . .	319
Aeryeong Seo	
Some Dynamical Systems of Extremal Measures	327
Hajime Tsuji	
On Representative Domains and Cartan's Theorem	343
Atsushi Yamamori	
On Curvature Estimates of Bounded Domains	353
Liyong Zhang	
Some Problems	369
John-Erik Fornæss and Kang-Tae Kim	

Complex Analysis and Geometry

KSCV10, Gyeongju, Korea, August 2014

Bracci, F.; Byun, J.; Gaussier, H.; Hirachi, K.; Kim, K.-T.;

Shcherbina, N. (Eds.)

2015, IX, 377 p. 20 illus., 10 illus. in color., Hardcover

ISBN: 978-4-431-55743-2