

# CONTEMPORARY MATHEMATICS

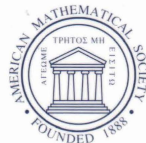
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## Recent Progress on Some Problems in Several Complex Variables and Partial Differential Equations

International Conference  
Partial Differential Equations and Several Complex Variables  
Wuhan University, Wuhan, China  
June 9–13, 2004

International Conference  
Complex Geometry and Related Fields  
East China Normal University, Shanghai, China  
June 21–24, 2004

Shiferaw Berhanu, Hua Chen,  
Jorge Hounie, Xiaojun Huang, Sheng-Li Tan,  
and Stephen S.-T. Yau, Editors



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## Preface

This volume consists mainly of papers presented at two related conferences held in Wuhan University and the East China Normal University at Shanghai in the Summer of 2004. Several participants from many institutions throughout the world attended these international conferences. The conference in Wuhan focused on recent developments in many areas of several complex variables and partial differential equations. The conference in Shanghai celebrated the 10th anniversary of the Institute of Mathematics at East China Normal University and the focus was complex geometry and related topics. Many researchers attended both conferences and as a result we decided to publish the proceedings in one volume.

We are very grateful to Wuhan University, the NNSF of China, the State Education Ministry of China and the East China Normal University at Shanghai for their generous support to host these conferences.

Shiferaw Berhanu  
Hua Chen  
Jorge Hounie  
Xiaojun Huang  
Sheng-Li Tan  
Stephen S.T. Yau

The papers in this volume cover many important topics of current interest in partial differential equations and several complex variables. An international group of well-known mathematicians has contributed original research articles on diverse topics such as the geometry of complex manifolds, the mean curvature equation, formal solutions of singular partial differential equations, and complex vector fields.

The material in this volume is useful for graduate students and researchers interested in partial differential equations and several complex variables.

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