COMPLEX ANALYSIS
OF SEVERAL VARIABLES

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Preface

These proceedings contain a collection of papers presented at the Symposium on Several Complex Variables held in Madison, Wisconsin from April 12 to April 15, 1982. At the Symposium there were one-hour survey talks by H. Grauert, J. J. Kohn, M. Schneider, H. Skoda, and S. T. Yau on major areas of important recent developments. In addition, there were more than forty specialized half-hour talks by other participants. Quite a number of talks are not included in these proceedings because detailed papers containing the results presented at the Symposium have already appeared elsewhere. On the other hand, included in these proceedings are some papers submitted by invited speakers who were unable to attend the Symposium.

Yum-Tong Siu
Cambridge, Massachusetts
November 23, 1983
The Organizing Committee for the Symposium

Robert C. Gunning
F. Reese Harvey
Raghavan Narasimhan
Walter Rudin
Yum-Tong Siu (Chairman)
Wilhelm F. Stoll
Shing-Tung Yau

List of Speakers and Titles of Their Talks

Bedford, Eric D.  Some topological restrictions on holomorphic mappings
Bell, Steven R.  Proper holomorphic self-maps of weakly pseudoconvex domains
Bloom, Thomas  Polynomial interpolation of analytic functions
Boggess, Albert  The Levi forms and CR extension
Burns, Daniel M., Jr.  Boundary asymptotics of Kähler-Einstein metrics
Catlin, David W.  Boundary regularity of proper maps
Chang, Sun-Yung A.  Carleson measures and applications
D’Angelo, John P.  Geometry of real hypersurfaces
Diederich, Klas  A Levi problem on two-dimensional manifolds
Fornaess, John E.  Smoothing of plurisubharmonic functions
Freeman, Michael B.  Fully integrable Pfaffian systems
Gilligan, Bruce  Function theory on homogeneous spaces
Grauer, Hans  Complex Morse theory
Greene, Robert E.  Some properties of the automorphism groups of domains
Harris, Gary A.  A survey of results and open problems for real submanifolds of $\mathbb{C}^n$ with CR singularity
Harvey, Reese  An intrinsic characterization of Kähler manifolds
Henkin, G.  Holomorphic vector bundles and Yang-Mills-Higgs equations, read by R. O. Wells, Jr.
Kerzman, Norberto  Plurisubharmonic functions that vanish on the boundary
Kobayashi, Shoshichi  Curvature and stability for vector bundles
Kohn, Joseph J.  A survey of the $\bar{\partial}$-Neumann problem
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