

These minor faults and inaccuracies (and a few more) can easily be cleared up in a second edition.

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Proceedings of the Conference on Complex Analysis, Minneapolis, 1964. Edited by A. Aeppli, E. Calabi and H. Rohrl. Springer-Verlag, Berlin, Heidelberg, New York, 1965. Price DM. 38.-

This book is a collection of twenty-six papers presented to a conference held at the University of Minnesota from the 16th to the 21st of March, 1964. The authors of the papers and their titles are listed below. Reviews of the individual articles can be found in Mathematical Reviews.

K. Stein, "On Factorization of Holomorphic Mappings."

L. Bungart, "Cauchy Integral Formulas and Boundary Kernel Functions in Several Complex Variables."

W. F. Pohl, "Extrinsic Complex Projective Geometry."

S. Bergman, "Some Properties of Pseudo-conformal Images of Circular Domains in the Theory of Two Complex Variables."

I. Satake, "Holomorphic Imbeddings of Symmetric Domains into a Siegel Space."

A. Aeppli, "On Determining Sets in a Stein Manifold."

A. Aeppli, "On the Cohomology Structure of Stein Manifolds."

W. Stoll, "Normal Families of Non-negative Divisors."

J. J. Kohn, "Boundaries of Complex Manifolds."

H. Holmann, "Local Properties of Holomorphic Mappings."

L. Bers, "Automorphic Forms and General Teichmüller Spaces."

Ph. A. Griffiths, "The Extension Problem for Compact Submanifolds of Complex Manifolds I (the Case of a Trivial Normal Bundle)."

M. Kuranishi, "New Proof for the Existence of Locally Complete Families of Complex Structures."

N. Kuhlmann, "Algebraic Function Fields on Complex Analytic Spaces."

H. L. Royden, "Riemann Surfaces with the Absolute AB-maximum Principle."

A. Andreotti and E. Vesentini, "A Remark on Non-compact Quotients of Bounded Symmetric Domains."

H. J. Bremermann, "Pseudo-convex Domains in Linear Topological Spaces."

R. C. Gunning, "Connections for a Class of Pseudo-group Structures."

H. Hironaka, "A Fundamental Lemma on Point Modifications."

H. Rohrl, "Transmission Problems for Holomorphic Fiber Bundles."

H. Rossi, "Attaching Analytic Spaces to an Analytic Space Along a Pseudoconcave Boundary."

A. Morimoto, "Non-compact Complex Lie Groups without Non-constant Holomorphic Functions."

E. Bishop, "Uniform Algebras."

B. Maskit, "Construction of Kleinian Groups."

L. V. Ahlfors, "The Modular Function and Geometric Properties of Quasiconformal Mappings."

E. Kallin, "Polynomial Convexity: The Three Spheres Problem."

The volume ends with a list of twenty-six problems posed by members of the Conference.

George Springer, Indiana University

Number Theory, by Z.I. Borevich and I.R. Shafarevich. Academic Press, New York, 1966. x + 435 pages. \$12.95.

Theorie des nombres, par Z.I. Borevitch et I.R. Chafarevitch. Traduit par M. et J.-L. Verley; Monographies internationales de mathematiques modernes, sous la direction de S. Mandelbrojt. Gauthier-Villars, Paris, 1967. vi + 489 pages. Price: 78 F.

With the following notation and terminology of the authors' it is possible to state the aims of this book fairly simply. Let k denote the rational field and let K be any finite extension of k of degree n . Let $\mu_1, \mu_2, \dots, \mu_m$ ($m \leq n$) be linearly independent elements of K over k with conjugates μ_i^j ($1 \leq i \leq m, 1 \leq j \leq n$) over k and define a form $F(x_1, \dots, x_m)$ of degree n over $k[x_1, \dots, x_m]$ by taking the norm:

$$(1) \quad N(x_1 \mu_1 + \dots + x_m \mu_m) = \prod_{j=1}^n (x_1 \mu_1^j + \dots + x_m \mu_m^j)$$

of $x_1 \mu_1 + \dots + x_m \mu_m$. Then the number-theoretic questions are mainly concerned with the rational integral solutions, for given $a \in k$, of the diophantine equation

$$(2) \quad F(x_1, \dots, x_m) = a,$$

the existence or non-existence of such solutions and, generally, the