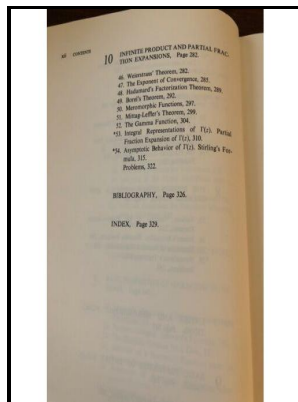# Theory of functions of a complex variable.

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Notes: Translation of Teoriia analiticheskikh funktsii. Includes
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Sinanyan, , Contemporary problems in mathematics , 4 , Moscow 1975 pp.

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Another important application of complex analysis is in which studies conformal invariants in. ANALYTIC FUNCTIONS IN THE SOLUTION OF BOUNDARY-VALUE PROBLEMS 191 7. Point at infinity 19 1.

Functions of a Complex Variable

Here Oka proved that three concepts are equivalent: domains of holomorphy, holomorphically convex domains, and pseudoconvex domains; and moreover that the Poincare problem, the Cousin problems, and the Runge problem, when stated properly, can be solved in domains of holomorphy satisfying the appropriate conditions. These tools included a central role for sheaf theory and increased uses of topology and algebra. Properties of a transform 227 d.

Theory of functions of a complex variable : Burkhardt, Heinrich Friedrich Karl Ludwig, 1861

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Complex analysis

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An Integral with Respect to a Complex Variable 38 a. The topics include Riemann surfaces, holomorphic functions of several variables, classification and deformation of singularities, fundamentals of differential topology, and the topology of singularities. The Saddle-Point Method

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