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L. I. Volkovskii, G. L. Lunts, I. G. Aramanovich, Mathematics

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The first four chapters involve complex numbers and functions of a complex variable; conformal mappings connected with elementary functions; supplementary geometrical questions and generalized analytic functions; and integrals and power series.

Chapters V through VIII cover the Laurent series, singularities of single-valued functions, and integral functions; various series of functions, parametric integrals, and infinite products; residues and their applications; integrals of the Cauchy type; and integral functions of Poisson and Schwarz.

The final three chapters discuss analytic continuation, singularities of many-valued character, and Riemann Surfaces; conformal mappings; and applications to mechanic and physics. Answers and solutions are grouped at the end of the text.

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