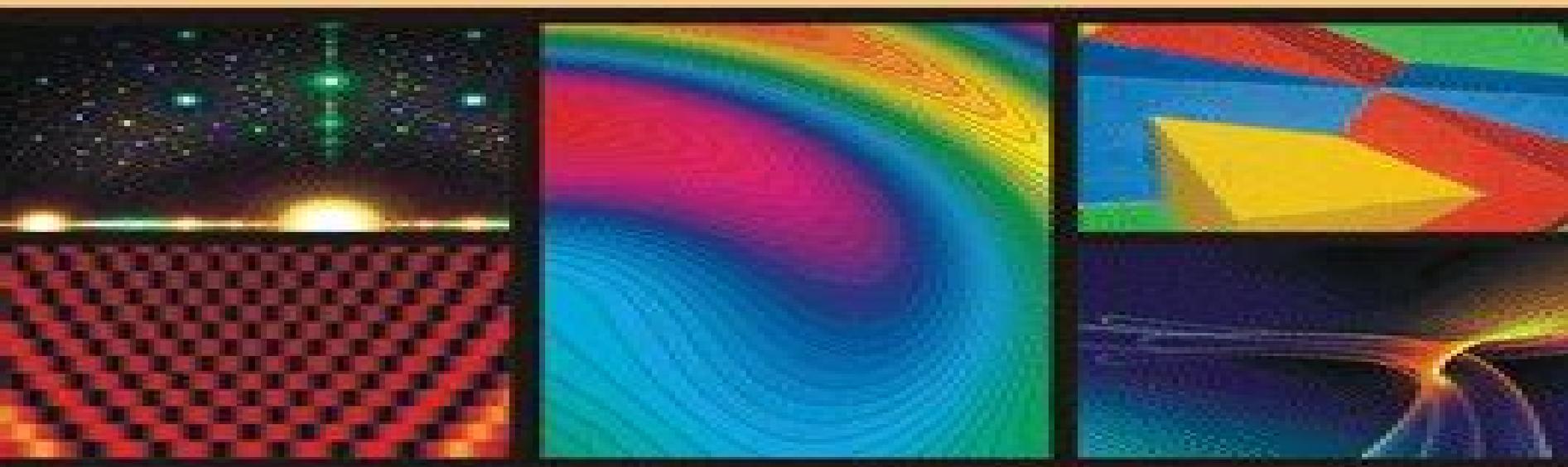


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series gives the reader concrete examples of analytic functions and a review of calculus. Mobius transformations are presented with emphasis on the geometric aspect and the Cauchy theorem is covered in the classical manner. The remaining chapters provide an elegant and solid overview of special topics such as Entire and Meromorphic Functions, Analytic Continuation, Normal Families, Conformal Mapping, and Harmonic Functions.

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[Classical Topics in Complex Function Theory](#) Reinhold Remmert, 2013-03-14. An ideal text for an advanced course in the theory of complex functions, this book leads readers to experience function theory personally and to participate in the work of the creative mathematician. The author includes numerous glimpses of the function theory of several complex variables, which illustrate how autonomous this discipline has become. In addition to standard topics, readers will find Eisenstein's proof of Euler's product formula for the sine function, Wielandt's uniqueness theorem for the gamma function, Stirling's formula, Issacs theorem, Bessel's proof that all domains in \mathbb{C} are domains of holomorphy, Wedderburn's lemma, and the ideal theory of rings of

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an Introduction to Classical Complex Analysis Birkhauser Verlag AG, 1986-01-01

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