

<<复分析中的若干论题>>

图书基本信息

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内容概要

This book provides a concise treatment of topics in complex analysis, suitable for a one-semester course. It is an outgrowth of lectures given by the author over the last ten years at the University of Göteborg and Chalmers University of Technology. While treating classical complex function theory, the author emphasizes connections to real and harmonic analysis, and presents general tools that basic ideas in beginning complex analysis. The book introduces all of the basic ideas in beginning complex analysis and still has time to reach many topics near the frontier of the subject. It covers classical highlights in the field such as Fatou theorems and some Nevanlinna theory, as well as more recent topics, for example, The corona theorem and the duality. The reader is expected to have an understanding of basic integration theory and functional analysis. Many exercises illustrate and sharpen the theory, and extended exercises give the reader an active part in complementing the material presented in the text.

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