Analytic Functions: A Comprehensive Introduction
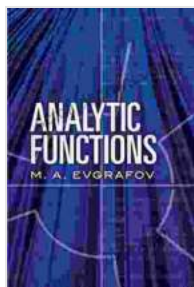
By Elias M. Stein and Rami Shakarchi

Analytic Functions: A Comprehensive presents a thorough and accessible exposition of the theory of analytic functions. This classic Dover edition features an updated preface by the author.

Analytic Functions (Dover Books on Mathematics)

by M.A. Evgrafov

★★★★★ 5 out of 5

Language	: English
File size	: 42209 KB
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The book begins with a brief overview of the complex number system, and then delves into the study of analytic functions. The authors cover a wide range of topics, including:

- The Cauchy-Riemann equations

- The Cauchy integral formula

- The Riemann mapping theorem

- The Schwarz reflection principle

- The maximum modulus principle

Analytic Functions: A Comprehensive is a valuable resource for students and researchers in mathematics. The clear and concise exposition makes the book accessible to a wide audience, while the comprehensive coverage of the subject matter makes the book a useful reference for experts.

About the Authors

Elias M. Stein was a distinguished professor of mathematics at Princeton University. He is the author of numerous books and articles on mathematical analysis. Rami Shakarchi is a professor of mathematics at the University of California, Berkeley. He is the author of several books and articles on complex analysis.

Praise for Analytic Functions: A Comprehensive

"Stein and Shakarchi have written a wonderful book on analytic functions. The exposition is clear and concise, and the coverage is comprehensive. This book is a valuable resource for students and researchers in mathematics." - **Steven G. Krantz, Washington University in St. Louis**

"Analytic Functions: A Comprehensive is a classic Dover edition. The book is a valuable resource for students and researchers in mathematics." - **Choice**
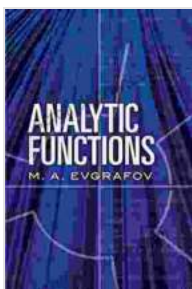
Table of Contents

1. The Complex Number System

2. Analytic Functions

3. The Cauchy-Riemann Equations

4. The Cauchy Integral Formula

5. The Riemann Mapping Theorem

6. The Schwarz Reflection Principle

7. The Maximum Modulus Principle

8. Entire Functions

9. Meromorphic Functions

10. Applications of Analytic Functions

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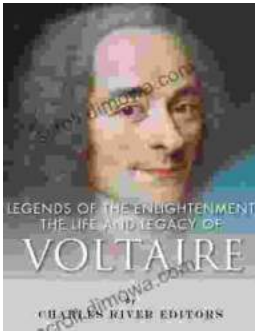
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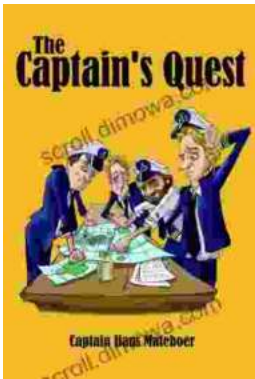
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