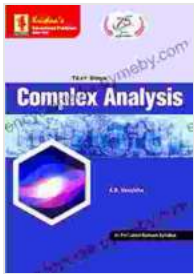


# Tb Complex Analysis Pages 238 Code 1215 Edition 2nd: Concepts, Theorems, and Applications



Complex analysis, a branch of mathematics, explores the fascinating realm of complex numbers and their functions. Tb Complex Analysis Pages 238

Code 1215 Edition 2nd serves as an invaluable resource for students and professionals seeking to delve into the intricacies of this subject. With its comprehensive coverage of key concepts, theorems, and applications, this book empowers readers to master the complexities of complex analysis.



**TB Complex Analysis | Pages-238 | Code 1215 | Edition-2nd | Concepts + Theorems/Derivations + Solved Numericals + Practice Exercises | Text Book (Mathematics 47) by A.R. Vasishtha**

★ ★ ★ ★ ☆ 4.5 out of 5

Language : English

File size : 5154 KB

Screen Reader: Supported

Print length : 234 pages

Lending : Enabled



## Key Features

- **Comprehensive Coverage:** This book provides an in-depth exploration of complex functions, their properties, and applications, equipping readers with a solid foundation in the subject.
- **Rigorous Mathematical Treatment:** The authors present a rigorous mathematical treatment of complex analysis, ensuring that readers gain a deep understanding of the underlying principles.
- **Abundant Examples and Exercises:** Numerous examples and exercises throughout the book reinforce the concepts discussed, facilitating comprehension and application.

- **Applications in Engineering and Physics:** The book highlights the practical applications of complex analysis in fields such as engineering and physics, demonstrating its relevance beyond theoretical mathematics.
- **Latest Research and Advancements:** This edition includes the latest research and advancements in complex analysis, keeping readers up-to-date with the evolving landscape of the subject.

## **Content Overview**

**Chapter 1: Complex Numbers and Functions** - to complex numbers - Representation and operations on complex numbers - Analytic functions and their properties

**Chapter 2: Complex Integration** - Cauchy's Integral Formula and its applications - Taylor and Laurent series expansions - Residue Theorem and its applications

**Chapter 3: Conformal Mappings** - Conformal mappings and their properties - Schwarz-Christoffel transformations - Applications in fluid mechanics and electromagnetism

**Chapter 4: Special Functions** - Gamma function and its properties - Zeta function and its applications - Hypergeometric functions and their applications

**Chapter 5: Applications in Engineering and Physics** - Applications in fluid dynamics - Applications in electromagnetism - Applications in quantum mechanics

## Benefits for Readers

- **Deepen Understanding:** This book provides a thorough understanding of complex analysis, its underlying concepts, and applications.
- **Enhance Mathematical Skills:** Through rigorous mathematical treatment and numerous exercises, readers develop strong mathematical skills.
- **Solve Complex Problems:** The practical applications and examples demonstrate how complex analysis can be applied to solve real-world problems.
- **Stay Updated:** This edition incorporates the latest research and advancements, keeping readers abreast of the subject's evolution.
- **Excel in Complex Analysis:** This comprehensive guide empowers readers to excel in their study or professional pursuits in complex analysis.

Tb Complex Analysis Pages 238 Code 1215 Edition 2nd is an indispensable resource for anyone seeking to master complex analysis. Its comprehensive coverage, rigorous mathematical treatment, and abundance of examples and exercises provide a solid foundation in the subject. With its applications in engineering, physics, and other fields, this book not only deepens theoretical understanding but also demonstrates the practical relevance of complex analysis. Whether you are a student, researcher, or professional, this book will guide you on your journey to unravel the complexities of complex analysis.

Free Download your copy today and embark on an enriching exploration of this fascinating mathematical realm!



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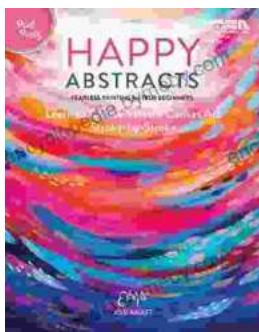
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