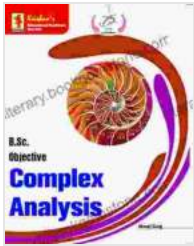# Krishna Bsc Obj Complex Analysis Edition Pages 168 Code 1648 Mathematics 18

Krishna's BSc. Obj. Complex Analysis | Edition-1 | Pages-168 | Code-1648 (Mathematics Book 18)

★★★★☆ 4.7 out of 5

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Krishna Bsc Obj Complex Analysis Edition Pages 168 Code 1648 Mathematics 18 is a comprehensive textbook that provides a detailed overview of complex analysis. The book is written in a clear and concise style, and it includes numerous examples and exercises to help students understand the concepts.

Table of Contents

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  - Basic Concepts

  - Functions of a Complex Variable

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Complex analysis is a branch of mathematics that deals with the study of complex numbers. Complex numbers are numbers that have a real part and an imaginary part. The imaginary part is a number that is multiplied by the imaginary unit, which is denoted by i. Complex numbers can be represented graphically as points on a plane, called the complex plane.

Complex analysis is used in a wide variety of applications, including fluid mechanics, heat transfer, and electrical engineering. It is also used in physics to study quantum mechanics and relativity.

Basic Concepts

The basic concepts of complex analysis include the following:

- Complex numbers

- The complex plane

- Complex functions

- Limits and continuity

- Derivatives and integrals

Functions of a Complex Variable

A function of a complex variable is a function that takes a complex number as input and produces a complex number as output. Complex functions can be classified into two types: analytic functions and meromorphic functions.

Analytic functions are functions that are differentiable at every point in their domain. Meromorphic functions are functions that are analytic except for a few isolated points, called poles.

Contour Integrals

Contour integrals are integrals that are taken over a path in the complex plane. Contour integrals are used to evaluate complex functions and to solve a variety of problems in physics and engineering.

Applications of Complex Analysis

Complex analysis has a wide variety of applications, including the following:

- Fluid mechanics

- Heat transfer

- Electrical engineering

- Quantum mechanics

- Relativity

Krishna Bsc Obj Complex Analysis Edition Pages 168 Code 1648 Mathematics 18 is a valuable resource for students who are interested in learning about complex analysis. The book provides a comprehensive overview of the subject, and it includes numerous examples and exercises to help students understand the concepts.
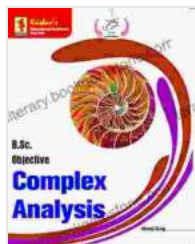
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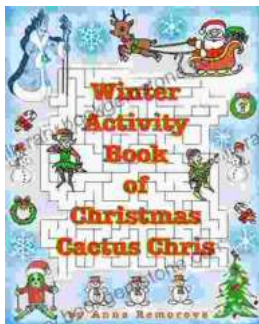Print length   : 90 pages
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