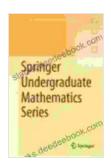
# **Examples and Applications: Springer Undergraduate Mathematics Series**

The Springer Undergraduate Mathematics Series (SUMS) is a collection of textbooks and monographs on a wide range of mathematical topics. The series is designed to provide students with a solid foundation in the fundamentals of mathematics, as well as an understanding of the latest developments in the field. The SUMS books are written by leading mathematicians and educators, and they are carefully edited to ensure that they are clear, concise, and accessible to undergraduate students.

The SUMS series was founded in 1981 by Springer-Verlag, a leading publisher of scientific and technical books. The series quickly became popular with both students and instructors, and it has since become one of the most respected and widely used mathematics series in the world. Today, the SUMS series includes over 100 titles, covering a wide range of topics from algebra to geometry to analysis.



# Understanding Markov Chains: Examples and Applications (Springer Undergraduate Mathematics

**Series)** by Nicolas Privault

★ ★ ★ ★ 5 out of 5
Language : English
File size : 7115 KB
Print length : 389 pages
Screen Reader: Supported



#### Goals of the SUMS Series

The SUMS series has three main goals:

1. To provide students with a solid foundation in the fundamentals of mathematics. 2. To introduce students to the latest developments in the field of mathematics. 3. To prepare students for careers in mathematics or related fields.

The SUMS books are designed to achieve these goals by providing clear and concise explanations of mathematical concepts, by including numerous examples and exercises, and by discussing the latest research in the field. The books are also written in a style that is accessible to undergraduate students, making them ideal for use in both introductory and advanced courses.

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In addition to their impact on teaching, the SUMS books have also had a significant impact on research in the field of mathematics. The books have provided a forum for mathematicians to share their latest research findings, and they have helped to inspire new generations of mathematicians.

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These books have been used by millions of students around the world, and they have helped to shape the way that mathematics is taught and understood.

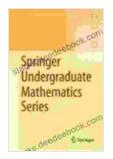
#### **Applications of SUMS Books**

The SUMS books have a wide range of applications in the real world. For example, the book \*Linear Algebra\* by S. Lang is used by engineers, physicists, and economists to solve problems in their respective fields. The book \*Analysis\* by T. M. Apostol is used by mathematicians to develop new theories and to solve complex problems.

The SUMS books are also used by teachers to prepare for their classes and to improve their understanding of mathematics. The books provide teachers with clear and concise explanations of mathematical concepts, and they include numerous examples and exercises that can be used in the classroom.

The Springer Undergraduate Mathematics Series is a valuable resource for students, instructors, and researchers in the field of mathematics. The books in the series provide a solid foundation in the fundamentals of mathematics, introduce students to the latest developments in the field, and prepare students for careers in mathematics or related fields. The SUMS books have had a significant impact on the teaching and research of

mathematics, and they continue to be an essential resource for students and mathematicians alike.



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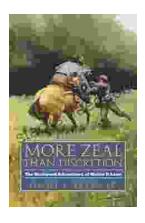
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