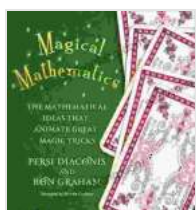# The Mathematical Ideas That Animate Great Magic Tricks: Unraveling the Secrets of Enchanting Illusions

Are you ready to embark on an extraordinary journey where the realms of mathematics and magic collide? In "The Mathematical Ideas That Animate Great Magic Tricks," renowned author and mathematician Persi Diaconis invites you to uncover the hidden formulas and principles that bring mind-bending illusions to life.

### Magical Mathematics: The Mathematical Ideas That Animate Great Magic Tricks by Persi Diaconis

★★★★☆ 4.4 out of 5

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|---|---|
| Language | : English |
| File size | : 8574 KB |
| Text-to-Speech | : Enabled |
| Screen Reader | : Supported |
| Enhanced typesetting | : Enabled |
| Print length | : 259 pages |

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## Unveiling the Secrets of Deception and Wonder

Throughout this captivating book, Diaconis takes you on a captivating exploration of the mathematical foundations that underpin a vast array of magic tricks, from the classic card tricks that have baffled audiences for centuries, to the awe-inspiring illusions that grace the stages of the world's most renowned magicians.

You'll discover how mathematical concepts such as probability, geometry, and number theory play a pivotal role in creating the illusion of impossibility. Diaconis masterfully weaves together historical anecdotes, mathematical explanations, and real-world examples, providing a comprehensive and engaging account of the mathematics behind the magic.

**From Ancient Illusions to Modern Masterpieces**

Diaconis traces the evolution of magic tricks from their humble beginnings in ancient civilizations to the sophisticated creations of contemporary masters. You'll learn about the mathematical principles that have shaped the development of magic over the centuries, and how magicians have continuously pushed the boundaries of illusion.

With each chapter, you'll delve into a different aspect of the mathematical magic connection. You'll explore:

- The probability tricks that rely on chance and deception

- The geometric tricks that manipulate shapes and dimensions

- The number theory tricks that exploit the properties of numbers

- The topological tricks that play with the concept of continuity

**A Journey for All Levels of Mathematical Enthusiasts**

Whether you're a seasoned mathematician or simply curious about the world of magic, "The Mathematical Ideas That Animate Great Magic Tricks" is an accessible and entertaining read that will captivate your imagination. Diaconis' clear and engaging writing style makes complex mathematical concepts understandable and enjoyable, even for those with limited mathematical knowledge.

With its blend of historical anecdotes, mathematical insights, and practical demonstrations, this book is an indispensable resource for anyone seeking to understand the intricate relationship between mathematics and magic.
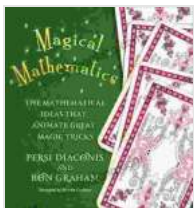
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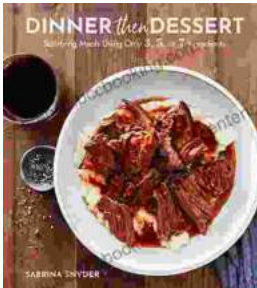### Magical Mathematics: The Mathematical Ideas That Animate Great Magic Tricks by Persi Diaconis

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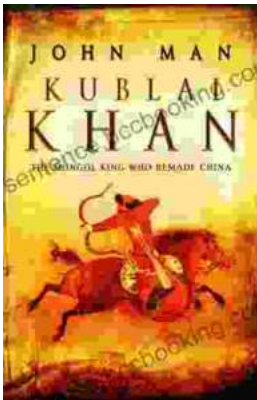| | |
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