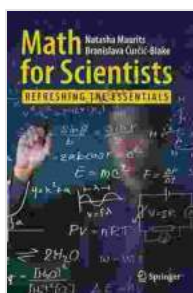


Math for Scientists: Refreshing the Essentials

As a scientist, it's essential to have a strong foundation in mathematics. Math is the language of science, and it allows us to understand the world around us. However, many scientists find that their math skills get rusty over time. This can make it difficult to keep up with the latest research or to apply math to their own work.



Math for Scientists: Refreshing the Essentials by Tim Collins

★★★★☆ 4.3 out of 5

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File size : 8562 KB

Screen Reader : Supported

Print length : 246 pages

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This guide is designed to help scientists refresh their essential math skills. We'll cover a wide range of topics, from algebra and calculus to probability and statistics. We'll also provide plenty of examples and exercises to help you practice your skills.

Algebra

Algebra is the study of symbols and the operations that can be performed on them. It's a fundamental branch of mathematics that is used in a wide variety of applications, including physics, chemistry, and engineering.

Here are some of the most important algebraic concepts that scientists should know:

- Variables
- Equations
- Inequalities
- Polynomials
- Factoring
- Quadratic equations
- Logarithms

Calculus

Calculus is the study of change. It's a powerful tool that can be used to solve a wide variety of problems in science, engineering, and economics.

Here are some of the most important calculus concepts that scientists should know:

- Limits
- Derivatives
- Integrals
- Differential equations

Probability and Statistics

Probability and statistics are the study of randomness. They're used in a wide variety of applications, including medicine, finance, and social science.

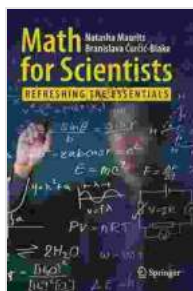
Here are some of the most important probability and statistics concepts that scientists should know:

- Probability distributions
- Hypothesis testing
- Regression analysis
- Analysis of variance

This guide has provided a brief overview of the essential math skills that scientists need to know. By refreshing your understanding of these concepts, you'll be better prepared to tackle the challenges of your research and work.

Additional Resources

- Khan Academy: AP Calculus AB
- Coursera: Mathematics Specializations
- Udacity: School of Data Science



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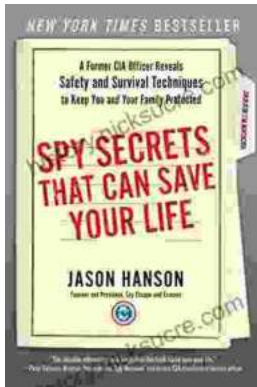
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