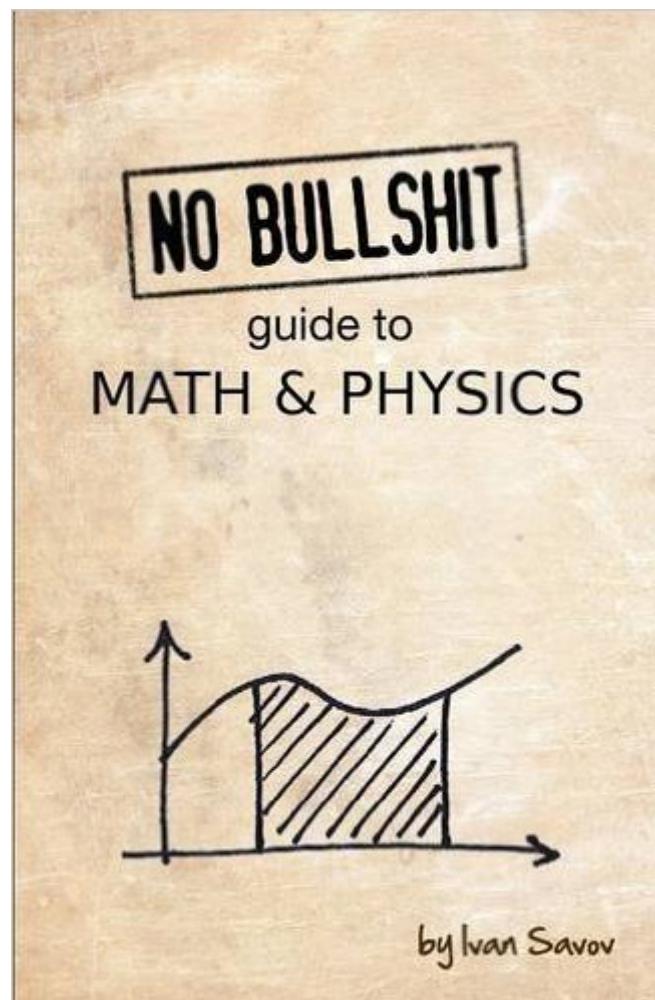


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# No Bullshit Guide To Math And Physics



## Synopsis

Often calculus and mechanics are taught as separate subjects. It shouldn't be like that. Learning calculus without mechanics is incredibly boring. Learning mechanics without calculus is missing the point. This textbook integrates both subjects and highlights the profound connections between them. This is the deal. Give me 350 pages of your attention, and I'll teach you everything you need to know about functions, limits, derivatives, integrals, vectors, forces, and accelerations. This book is the only math book you'll need for the first semester of undergraduate studies in science. With concise, jargon-free lessons on topics in math and physics, each section covers one concept at the level required for a first-year university course. Anyone can pick up this book and become proficient in calculus and mechanics, regardless of their mathematical background.

## Book Information

Paperback: 466 pages

Publisher: Minireference Publishing; 5 edition (August 7, 2014)

Language: English

ISBN-10: 0992001005

ISBN-13: 978-0992001001

Product Dimensions: 5.5 x 1 x 8.5 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 starsÂ  See all reviewsÂ  (51 customer reviews)

Best Sellers Rank: #16,063 in Books (See Top 100 in Books) #20 inÂ  Books > Science & Math > Science for Kids #24 inÂ  Books > Textbooks > Science & Mathematics > Mathematics > Calculus #35 inÂ  Books > Textbooks > Science & Mathematics > Physics

## Customer Reviews

I teach advanced placement math, including to High School students interested in Computational Mathematics (Boolean, combinatoric, sequential logic, matrix calculus, etc.). This book and Glendinning's wonderful all-topic overview of advanced math (Math in Minutes: 200 Key Concepts Explained In An Instant (Knowledge in a Flash)) are my best "go to" texts for both orienting and refreshing students, and giving a taste for how the concepts apply to advanced topics. Some reviewers ding this book for either the author's swearing or political jokes. Well, I agree that if you're sensitive about your students being exposed to mild profanity, you probably wouldn't buy a book with BS in the title anyway. I'm with those reviewers and wish the author had stuck to his area of genius-- making math understandable, but the content is SO good that one can ignore this and a

couple other deficits. The book is not as much math and physics as calculus and physics. It does give some very well explained intro materials on algebra and geometry, in the context of how calculus applies to motion and physics. The author is an astonishingly intuitive teacher, showing with many problem examples how the equations really model the problem components, in a really practical way. By intuitive, I mean this (my own example, not from the book): If you run at 2 miles an hour, you're obviously running a 30 minute mile. 3 miles an hour would be a 20 minute mile (3 20's in 60). 4 miles an hour a 15 minute mile. Question: does this series converge on an equality (minute mile = mph), and if so, where?

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