



## Calculus Gems (Spectrum)

By George F. Simmons

Download now

Read Online 

### Calculus Gems (Spectrum) By George F. Simmons

A classic book is back in print! It can be used as a supplement in a Calculus course, or a History of Mathematics course. The first half of *Calculus Gems* entitles, *Brief Lives* is a biographical history of mathematics from the earliest times to the late nineteenth century. The author shows that Science and mathematics in particular is something that people do, and not merely a mass of observed data and abstract theory. He demonstrates the profound connections that join mathematics to the history of philosophy and also to the broader intellectual and social history of Western civilization. The second half of the book contains nuggets that Simmons has collected from number theory, geometry, science, etc., which he has used in his mathematics classes. G.H. Hardy once said, A mathematician, like a painter or poet, is a maker of patterns. If his patterns are more permanent than theirs, it is because they are made with ideas. This part of the book contains a wide variety of these patterns, arranged in an order roughly corresponding to the order of the ideas in most calculus courses. Some of the sections even have a few problems. Professor Simmons tells us in the Preface of *Calculus Gems*: I hold the naïve but logically impeccable view that there are only two kinds of students in our colleges and universities, those who are attracted to mathematics; and those who are not yet attracted, but might be. My intended audience embraces both types. The overall aim of the book is to answer the question, What is mathematics for? and with its inevitable answer, To delight the mind and help us understand the world.

 [Download Calculus Gems \(Spectrum\) ...pdf](#)

 [Read Online Calculus Gems \(Spectrum\) ...pdf](#)

# Calculus Gems (Spectrum)

*By George F. Simmons*

## Calculus Gems (Spectrum) By George F. Simmons

A classic book is back in print! It can be used as a supplement in a Calculus course, or a History of Mathematics course. The first half of Calculus Gems entitles, Brief Lives is a biographical history of mathematics from the earliest times to the late nineteenth century. The author shows that Science and mathematics in particular is something that people do, and not merely a mass of observed data and abstract theory. He demonstrates the profound connections that join mathematics to the history of philosophy and also to the broader intellectual and social history of Western civilization. The second half of the book contains nuggets that Simmons has collected from number theory, geometry, science, etc., which he has used in his mathematics classes. G.H. Hardy once said, A mathematician, like a painter or poet, is a maker of patterns. If his patterns are more permanent than theirs, it is because they are made with ideas. This part of the book contains a wide variety of these patterns, arranged in an order roughly corresponding to the order of the ideas in most calculus courses. Some of the sections even have a few problems. Professor Simmons tells us in the Preface of Calculus Gems: I hold the naïve but logically impeccable view that there are only two kinds of students in our colleges and universities, those who are attracted to mathematics; and those who are not yet attracted, but might be. My intended audience embraces both types. The overall aim of the book is to answer the question, What is mathematics for? and with its inevitable answer, To delight the mind and help us understand the world.

## Calculus Gems (Spectrum) By George F. Simmons Bibliography

- Sales Rank: #1430190 in Books
- Brand: Brand: Mathematical Association of America
- Published on: 2007-01-12
- Released on: 2007-01-12
- Original language: English
- Number of items: 1
- Dimensions: 8.98" h x .98" w x 5.98" l, 1.40 pounds
- Binding: Hardcover
- 376 pages

 [Download Calculus Gems \(Spectrum\) ...pdf](#)

 [Read Online Calculus Gems \(Spectrum\) ...pdf](#)

## **Editorial Review**

### **Review**

This is a wonderful interdisciplinary source that makes connections among mathematics, humanities, social science, science, and philosophy. Appropriate for upper-division or graduate students or as a resource for secondary or higher education mathematics or science teachers. --Jeanne Ramirez Mather, The Mathematics Teacher

### **About the Author**

George Simmons has the usual academic degrees (CalTech, Chicago, Yale), and taught at several colleges and universities before joining the faculty of Colorado College in 1962, where he is (was) Professor of Mathematics. He is also the author of Introduction to Topology and Modern Analysis (McGraw-Hill, 1963), Differential Equations with Applications and Historical Notes (McGraw-Hill, 1972, 2nd edition 1991), Precalculus Mathematics Mathematics in a Nutshell (Janson Publications, 1981); Wipf & Stock, Eugene, Oregon at present), Calculus with Analytic Geometry (McGraw-Hill, 1985, 2nd edition 1996), and with Steven Kranta) Differential Equations: Theory, Technique, Practice (McGraw-Hill 2006). When not working or talking or eating or drinking or cooking, Professor Simmons is likely to be traveling (Western and Southern Europe, Turkey, Israel, Egypt, Russia, China, Southeast Asia), playing pocket billiards (pool), or reading (literature, history, biography and autobiography, science, and enough thrillers to achieve enjoyment without guilt).

## **Users Review**

### **From reader reviews:**

#### **Victor Willis:**

Now a day people that Living in the era exactly where everything reachable by connect to the internet and the resources inside can be true or not require people to be aware of each facts they get. How many people to be smart in obtaining any information nowadays? Of course the solution is reading a book. Reading a book can help people out of this uncertainty Information especially this Calculus Gems (Spectrum) book because book offers you rich info and knowledge. Of course the data in this book hundred pct guarantees there is no doubt in it you know.

#### **Mark Shanks:**

Does one one of the book lovers? If yes, do you ever feeling doubt if you find yourself in the book store? Attempt to pick one book that you find out the inside because don't assess book by its include may doesn't work the following is difficult job because you are afraid that the inside maybe not seeing that fantastic as in the outside search likes. Maybe you answer is usually Calculus Gems (Spectrum) why because the great cover that make you consider about the content will not disappoint a person. The inside or content is usually fantastic as the outside or cover. Your reading 6th sense will directly show you to pick up this book.

**William Hughes:**

In this particular era which is the greater man or woman or who has ability in doing something more are more treasured than other. Do you want to become considered one of it? It is just simple method to have that. What you have to do is just spending your time very little but quite enough to enjoy a look at some books. On the list of books in the top listing in your reading list is Calculus Gems (Spectrum). This book and that is qualified as The Hungry Inclines can get you closer in turning out to be precious person. By looking way up and review this reserve you can get many advantages.

**Amanda Stone:**

Reading a publication make you to get more knowledge from that. You can take knowledge and information from a book. Book is published or printed or illustrated from each source which filled update of news. With this modern era like at this point, many ways to get information are available for anyone. From media social including newspaper, magazines, science reserve, encyclopedia, reference book, new and comic. You can add your understanding by that book. Are you hip to spend your spare time to spread out your book? Or just trying to find the Calculus Gems (Spectrum) when you needed it?

**Download and Read Online Calculus Gems (Spectrum) By George F. Simmons #AGU4RL6T78H**

## **Read Calculus Gems (Spectrum) By George F. Simmons for online ebook**

Calculus Gems (Spectrum) By George F. Simmons Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Calculus Gems (Spectrum) By George F. Simmons books to read online.

### **Online Calculus Gems (Spectrum) By George F. Simmons ebook PDF download**

**Calculus Gems (Spectrum) By George F. Simmons Doc**

**Calculus Gems (Spectrum) By George F. Simmons Mobipocket**

**Calculus Gems (Spectrum) By George F. Simmons EPub**