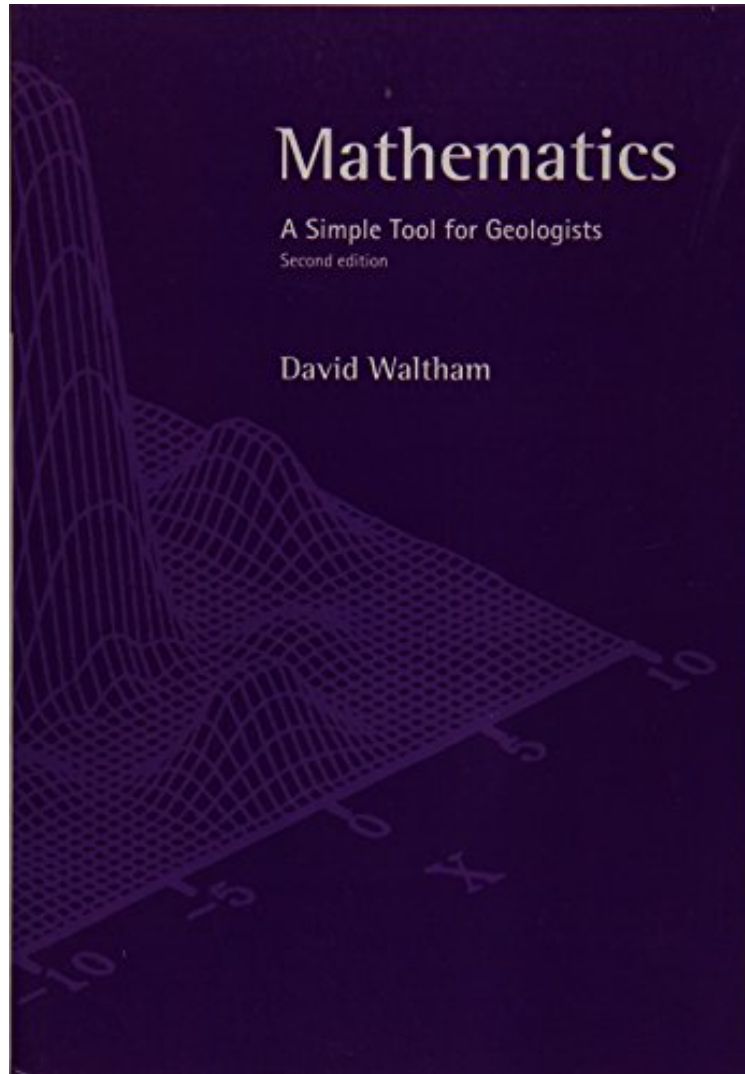


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## Mathematics: A Simple Tool for Geologists

*David Waltham*

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**David Waltham : Mathematics: A Simple Tool for Geologists** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Mathematics: A Simple Tool for Geologists:

0 of 0 people found the following review helpful. A good idea that could use a makeover. By CustomerThe volume is a great idea, but is light on examples of many types of geological problems related to trigonometry and Calculus. This is especially true for basic structural geology problems. I did not have especially high hopes for the volume since I knew the page count before I bought it. With this in mind I was not disappointed. There is only so much basic math that can be placed in a few hundred pages in a well expressed way. I would suggest the concept be expanded into a multi volume series that would be accompanied by not only spreadsheets for working on problems but also have a

companion set of YouTube videos showing how to work through various problems in structural geology, geological mapping and at a minimum, sedimentary petrology. 0 of 2 people found the following review helpful. Good buy  
By BennyG  
UnitThe product was in new condition as advertised. A little more expensive (about \$20) more than other places I've seen it, but quality-wise it was worth it. 0 of 10 people found the following review helpful. It ok  
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Got this for class, have not yet needed it... I think it might be useful, but i don't know yet?

This book is for students who did not follow mathematics through to the end of their school careers, and graduates and professionals who are looking for a refresher course. This new edition contains many new problems and also has associated spreadsheets designed to improve students' understanding. These spreadsheets can also be used to solve many of the problems students are likely to encounter during the remainder of their geological careers. The book aims to teach simple mathematics using geological examples to illustrate mathematical ideas. This approach emphasizes the relevance of mathematics to geology, helps to motivate the reader and gives examples of mathematical concepts in a context familiar to the reader. With an increasing use of computers and quantitative methods in all aspects of geology it is vital that geologists be seen as numerate as their colleagues in other physical sciences. The book begins by discussing basic tools such as the use of symbols to represent geological quantities and the use of scientific notation for expressing very large and very small numbers. Simple functional relationships between geological variables are then covered (for example, straight lines, polynomials, logarithms) followed by chapters on algebraic manipulations. The mid-part of the book is devoted to trigonometry (including an introduction to vectors) and statistics. The last two chapters give an introduction to differential and integral calculus. The book is prepared with a large number of worked examples and problems for the students to attempt themselves. Answers to all the questions are given at the end of the book.

From the Back Cover  
This book is for students who did not follow mathematics through to the end of their school careers and for graduates and professionals whose mathematics have become rusty and who are looking for a refresher course. This new edition now contains many new problems and also has associated spreadsheets designed to improve student's understanding. These spreadsheets can also be used to solve many of the problems student's are likely to encounter during the remainder of their geological careers. The book aims to teach simple mathematics using geological examples to illustrate mathematical ideas. This approach emphasises the relevance of mathematics to geology, helps to motivate the reader and gives examples of mathematical concepts in a context familiar to the reader. With an increasing use of computers and quantitative methods in all aspects of geology it is vital that geologists should be seen to be as numerate as their colleagues in other physical sciences. The book begins by discussing basic tools such as the use of symbols to represent geological quantities and the use of scientific notation for expressing very large and very small numbers. Simple functional relationships between geological variables are then covered (for example, straight lines, polynomials, logarithms) followed by chapters on algebraic manipulations. The mid-part of the book is devoted to trigonometry (including an introduction to vectors) and statistics. The last two chapters give an introduction to differential and integral calculus. The book is prepared with a large number of worked examples and problems for the students to attempt themselves. Answers to all the questions are given at the end of the book.