

..... PREFACE TO THE PAPERBACK EDITION

WHEN IT WAS PUBLISHED IN 2014, *Everyday Calculus* promised to help readers learn the basics of calculus by using their everyday experiences to reveal the hidden calculus around them. It also promised to do that in just over 100 pages, and assuming a minimal math background from the reader. Since then, I have heard positive reviews from dozens of readers of all ages and backgrounds, and I could not be happier. However, there is always room for improvement. For example, some careful readers alerted me to several small typos throughout the book. Others wrote detailed reviews with suggestions for the next edition of the book. I am indebted to these readers for their input, and this feedback, in part, inspired the release of this paperback edition.

Here is a brief description of the updates to the original edition.

1. All known typos have been corrected.
2. Some graphs now have a computer icon next to them in the margin. This signals that there is an online interactive demonstration that I have created to complement that graph. Please visit the *Everyday Calculus* section of my website www.surroundedbymath.com/books to access them.
3. *Everyday Calculus* was not written to replace a calculus textbook. However, several readers have suggested that having all of the calculus math discussed in one place might help summarize the calculus the book discusses (and also serve as a quick refresher for those who have already studied calculus). In response to this, I have written a short introduction to the mathematics behind the calculus covered in the book. Please visit my website (link above) to download that document.

4. Several instructors have written to me expressing interest in using the book in their calculus courses. One option to do so is to assign some of the applications covered in the book as projects (perhaps having students explore the chosen topic deeper). Another option is to complement homework assignments with reading from the book. I have created a document that does this, complete with short questions and problems based on the reading, and have made the document available on my website ([link above](#)).

Other than these updates, no other changes have been made to the book to preserve the original intent, content, and structure of *Everyday Calculus*. (In the future I would like to release a second edition that includes more advanced calculus content, like infinite series.) I hope you enjoy the new content.

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