

## What's New in this Third Edition

- The chapter on systems of linear equations from the previous edition has been eliminated, as has the appendix on parametric curves. Both these items, which deal with topics that are not needed for first-semester calculus, are available as electronic supplements. They are also available in my *Algebra and Trigonometry* book.
- The section on transformations of trigonometric functions has been moved to Chapter 5.
- What are now Chapters 6 and 7 were in the reverse order in the previous edition. Chapter 7 has a new title.
- The main text font has been changed from Lucida to URW Palladio, which is a legal clone of Palatino. The math fonts have been changed from various versions of Lucida to various versions of URW Palladio, Pazo Math, and Computer Modern.
- The paper length has been slightly expanded by three-eighths of an inch.
- The new fonts and new page size mean new page breaks and new line breaks. L<sup>A</sup>T<sub>E</sub>X handles line breaks well. However, I had to do extensive rewriting to make page breaks come out well. For example, students almost always have an entire Example visible without turning a page.
- Each full page of text now contains at least two marginal notes, as compared to at least one marginal note in the previous edition. A figure or photo counts as a marginal note. When a figure or photo has a caption, the caption does not count as an additional marginal note. The word Example does not count as a marginal note.
- Eighteen new photos relevant to the content have been added.
- A new color scheme has been implemented. Definition boxes are now yellow and result boxes are now blue. Example lines are now orange, and example labels are now white inside orange.
- Definition boxes, result boxes, learning objectives boxes, and example label boxes now have rounded corners for a gentler look.
- Definition boxes and result boxes now have their titles in a darker-shaded sub-box for a catchy appearance.
- Numerous improvements have been made throughout the text based upon suggestions from faculty and students who used the previous edition.
- New exercises have been added in almost all sections. The Appendix now includes worked-out solutions to the Appendix's exercises.

*For more information on the typesetting of this book, see the Colophon at the end of the book.*

*The content changes and format changes result in a book that is about one hundred pages shorter than the previous version.*

## Comments Welcome

I seek your help in making this a better book. Please send me your comments and your suggestions for improvements. Thanks!

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