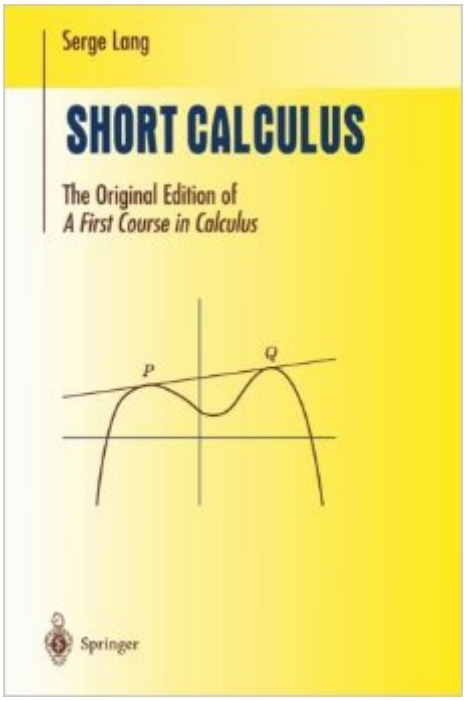
Short Calculus: The Original Edition Of "A First Course In Calculus" (Undergraduate Texts In Mathematics)



Synopsis

From the reviews "This is a reprint of the original edition of Langâ ™s â ˆA First Course in Calculusâ ™, which was first published in 1964....The treatment is â ˆas rigorous as any mathematician would wish itâ ™....[The exercises] are refreshingly simply stated, without any extraneous verbiage, and at times quite challenging....There are answers to all the exercises set and some supplementary problems on each topic to tax even the most able." --Mathematical Gazette

Book Information

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Customer Reviews

This is a reprint of the first edition of what was given its final form by Serge Lang in the 5th edition of his A First Course in Calculus. Both are published by Springer, so it’s tempting to make page number comparisons and point out that it takes 500 pages to reach the appendix on epsilon and delta in the 5th edition "First Course" and it takes only 226 pages in the 1st edition "Short Calculus". But the fonts differ, and sometimes Lang broke a paragraph into more than one, and he often added more exercises. Sometimes the extra text is additional examples. He also added graphs and diagrams. The page layout sometimes differs, so occasionally graphs or diagrams take up more space in the 5th edition. It’s not the case, then, that the final edition is really twice as long in content as the first.I have a copy of the 4th edition (Addison Wesley, pub.s) and also a copy of the Short Calculus. As soon as I got this Short Calculus home, I opened the 4th edition and started to compare page-by-page the two books. It’s interesting to see what Lang kept and how he revised the

chapters from their first edition form. Changes show up already in section 1 of chapter 1, where he adds what amounts to a half-page in the 4th edition within what is page 2 of the 1st edition. But then he's also deleted text from this section: text which amounts to a page and a quarter from the 1st edition version of this section is gone by the 4th edition. Sometimes the changes expand and clarify the text, sometimes they tighten it and make it move quicker.