Preface to the Second Edition

In the eight months since publication of the first edition, I have received many excellent suggestions from readers for making certain parts clearer and easier to understand. Though a new edition of a text typically comes out years after the prior one, I would be remiss to wait any longer to include those suggestions in a second edition.

The changes made encompass the re-wording of several sections and the addition of a dozen new pages spread throughout the text, all of which should improve the learning experience for many. These modifications are posted on the book website (see URL on pg. xvi opposite pg. 1), for the benefit of those using the first edition.

Things to note about newly added material

To facilitate and simplify communication between users of different editions, all equations and sections in the first edition have the same numbers in the second edition. Where new equations have been inserted into the second edition between two first edition equations, the new ones are numbered with that of the preceding first edition equation augmented with +1, +2, +3, etc. Where new pages have been inserted, they are numbered with the preceding (first edition) page number augmented with letters, a, b, etc. For example,

New pages inserted inside chapter	New page numbers	New equations inserted	New equation numbers
Two pgs between pgs 327 and 328	327a and 327b	after (13-29), before (13-30)	(13-29)+1, (13-29)+2, etc

Where material has been added at the end of a chapter, equations are given new numbers that are simply incremented over the last numbered equation in that chapter of the first edition. For example,

New appendix at end of chapter	New page numbers	New equations inserted	New equation numbers
Two pgs inserted before problems in Chap. 16, on pgs. 430-431	431a and 431b	after last equation in chapter, (16-120)	(16-121) (16-122), etc

Hence, at a glance, a reader can tell what has been inserted since the first edition, and confusion in communication between users of different editions should be minimized.

On page 203, in the middle of Chap. 7, new material has been added, but since it was not enough to justify insertion of additional pages, the remainder of that chapter (from page 203 to 212) has page numbering which is off by half a page or so from the first edition. From Chap. 8 onward, second edition page numbering returns to mirroring that of the first edition. Other than this one area of Chap. 7, a reader of one edition should be able to reference material by simply giving the relevant page number to a reader of the other edition.

In addition to new material being added, a significant number of typographical errors have been corrected. These are also listed on the book web site for the benefit of first edition users.

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Robert D. Klauber
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Acknowledgments for the Second Edition