of LaTeX and AMS articles, together with useful appendices giving tables of symbols, and how to get relevant files from the Internet.

With this book, a reader already familiar with keyboards and computing machines should be able to use LaTeX within a matter of hours. If your writing involves a significant amount of mathematics then, as the author himself recommends, you should ignore all the discussions in the book about LaTeX commands versus AMS commands, and just load the relevant packages from the AMS when you begin.

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Short Reviews


This is a text for advanced graduate students with a solid background in abstract algebra. Although the first couple of chapters review material on categories and modules, this is not the place to learn such material for the first time. After the first half of Chapter 4, the book splits into 3 relatively independent strands: derived functors and abstract homological algebra; various developments with rings; and colimits, the Tor functor and Lazard's theorem. A final chapter rounds up some odds and ends. Despite the advanced level, Osborne's intention to make the book readable enough for independent study is largely borne out. He uses a writing style that is more akin to a lecture, with frequent asides and reminders about the underlying questions, the general drift of the argument, and the progress to date in achieving the ultimate goals.


These books contain the proceedings of a Korean conference on Mathematical Analysis and Applications held in 1998. Though delegates attended from Korea, China, Japan, India, Nigeria, Australia and Canada, the published papers are mostly by Korean mathematicians. Fixed point theory and applications has a number of papers on fixed points (e.g for set-valued, non-commuting and $\Phi$-pseudo-contractive mappings) but covers a wider range, with papers on approximants in normed linear spaces, generalised convex spaces, transferable utility games and equilibrium existence in fuzzy economies. Differential equations and applications contains papers on existence theorems, numerical methods, nonlinear systems, boundary value problems, integro-differential equations, fuzzy mappings and fuzzy differential equations.


This book gathers seven of the more significant contributions to the ‘Algebras in Analysis’ seminar that has been working since 1971 at Moscow State University.