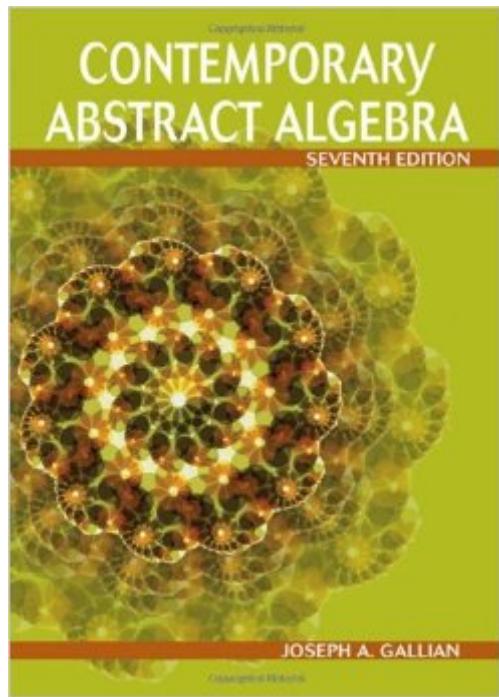


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Contemporary Abstract Algebra



Synopsis

Contemporary Abstract Algebra 7/e provides a solid introduction to the traditional topics in abstract algebra while conveying to students that it is a contemporary subject used daily by working mathematicians, computer scientists, physicists, and chemists. The text includes numerous figures, tables, photographs, charts, biographies, computer exercises, and suggested readings giving the subject a current feel which makes the content interesting and relevant for students.

Book Information

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Average Customer Review: 4.2 out of 5 starsÂ See all reviewsÂ (33 customer reviews)

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Customer Reviews

Gallian's Contemporary Abstract Algebra is a decent text for the topic, and is one of the few texts out there which manages to be the standard for many universities, but also manages to remain accessible, readable, and enjoyable for students at all levels. The book contains 33 chapters, of which the first (roughly) 22 make up the core of a two semester undergraduate algebra course covering groups, rings, and fields. Most of the chapters are rather short (10-20 pages it seems on average), but this thorough breakdown of chapters makes each and every one rather simple to read and understand, without introducing too much at one time (refer to Herstein's Topics in Algebra if you want to see a book which doesn't have enough chapters, teaching what is essentially an entire semester worth of group theory in one overbloated chapter, which is easy to get lost in). Gallian is great at providing examples, and gives definitions and theorems with very clear and concise language. For the most part, he tends to try to use standard terminology and provides plenty of examples and diagrams to aid students with the learning. The final nine chapters of the book,

making up roughly 1/3 of the textbook, contains many special topics. Some of these are very standard chapters for abstract algebra texts which are sometimes skipped (even if they really shouldn't be) such as the Sylow Theorems and Finite Simple Groups, but you'll also find chapters on coding theory, Galois theory, Frieze groups, and more.

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