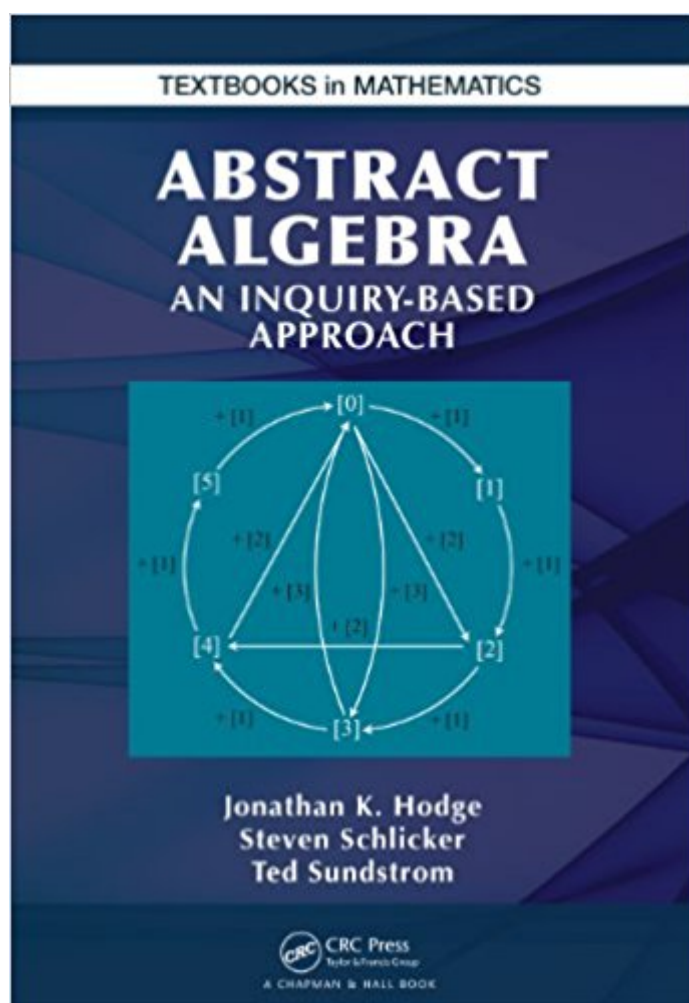


The book was found

Abstract Algebra: An Inquiry Based Approach (Textbooks In Mathematics)



Synopsis

To learn and understand mathematics, students must engage in the process of doing mathematics. Emphasizing active learning, *Abstract Algebra: An Inquiry-Based Approach* not only teaches abstract algebra but also provides a deeper understanding of what mathematics is, how it is done, and how mathematicians think. The book can be used in both rings-first and groups-first abstract algebra courses. Numerous activities, examples, and exercises illustrate the definitions, theorems, and concepts. Through this engaging learning process, students discover new ideas and develop the necessary communication skills and rigor to understand and apply concepts from abstract algebra. In addition to the activities and exercises, each chapter includes a short discussion of the connections among topics in ring theory and group theory. These discussions help students see the relationships between the two main types of algebraic objects studied throughout the text. Encouraging students to do mathematics and be more than passive learners, this text shows students that the way mathematics is developed is often different than how it is presented; that definitions, theorems, and proofs do not simply appear fully formed in the minds of mathematicians; that mathematical ideas are highly interconnected; and that even in a field like abstract algebra, there is a considerable amount of intuition to be found.

Book Information

File Size: 14394 KB

Print Length: 595 pages

Publisher: Chapman and Hall/CRC; 1 edition (December 21, 2013)

Publication Date: December 21, 2013

Sold by: Amazon Digital Services LLC

Language: English

ASIN: B00HRGWN46

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #144,405 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #19

in Books > Science & Math > Mathematics > Pure Mathematics > Group Theory #36

in Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Abstract #76

inÃ Â Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Pure Mathematics > Algebra

Customer Reviews

I like to do activities when studying. Reading this book is like having an experienced teacher near you. Doing exercises is no longer a difficult and boring activity, within the entire book there are exercises explained in a very clever way. You don't need to know if your answers are correct or not in order to continue reading and the continuous dialogue between the author and you (the reader) make you understand your development needs and strengths. I have many "abstract algebra" books but this is the best because of the Inquiry learning method upon which it is based which is very rewarding. The text is very well structured and the linking between the different topics is very well specified. You, as the reader, are the driver but you never lose your way because the writer is always there to bring you back on the right path. Thank you for writing this exciting book.

I tend to learn better and faster through examples and activities, which this book is built around. Rather than just present the proofs, they present similar examples first, then take you through things step by step, particularly in the earlier chapters. Later on, as you get more practice, you start to do more proofs on your own. This is exactly how I like to learn mathematics. Well done! Hope they do a follow-on text for more advanced topics like Galois Theory.

[Download to continue reading...](#)

Abstract Algebra: An Inquiry Based Approach (Textbooks in Mathematics) Number Theory Through Inquiry (Maa Textbooks) (Mathematical Association of America Textbooks) The Genesis of the Abstract Group Concept: A Contribution to the History of the Origin of Abstract Group Theory (Dover Books on Mathematics) Linear Algebra: An Introduction to Abstract Mathematics (Undergraduate Texts in Mathematics) Abstract Algebra and Solution by Radicals (Dover Books on Mathematics) Proofs and Fundamentals: A First Course in Abstract Mathematics (Undergraduate Texts in Mathematics) Immigrant Students and Literacy: Reading, Writing, and Remembering (Practitioner Inquiry Series) (Practitioner Inquiry (Paperback)) Elements of Advanced Mathematics, Third Edition (Textbooks in Mathematics) Discrete Mathematics and Applications, Second Edition (Textbooks in Mathematics) Active Physics [A Project-Based Inquiry Approach, Physics for All] by Arthur Eisenkraft, Ph.D. [It's About Time,2010] [Hardcover] 3rd Edition Contemporary Abstract Algebra Handbook of Biblical Hebrew: An Inductive Approach Based on the Hebrew Text of Esther (An Inductive Approach Based on the Hebrew Text of Esther, 2 Vols. in 1) Difficult Decisions in Vascular

Surgery: An Evidence-Based Approach (Difficult Decisions in Surgery: An Evidence-Based Approach) Chapter Zero: Fundamental Notions of Abstract Mathematics (2nd Edition) Introductory Concepts for Abstract Mathematics Intermediate Algebra (Textbooks Available with Cengage Youbook) Elementary Algebra, 5th Edition (Textbooks Available with Cengage Youbook) Beginning Algebra, 8th Edition (Textbooks Available with Cengage Youbook) Beginning Algebra (Textbooks Available with Cengage Youbook) Algebra: Beginning and Intermediate (Textbooks Available with Cengage Youbook)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)