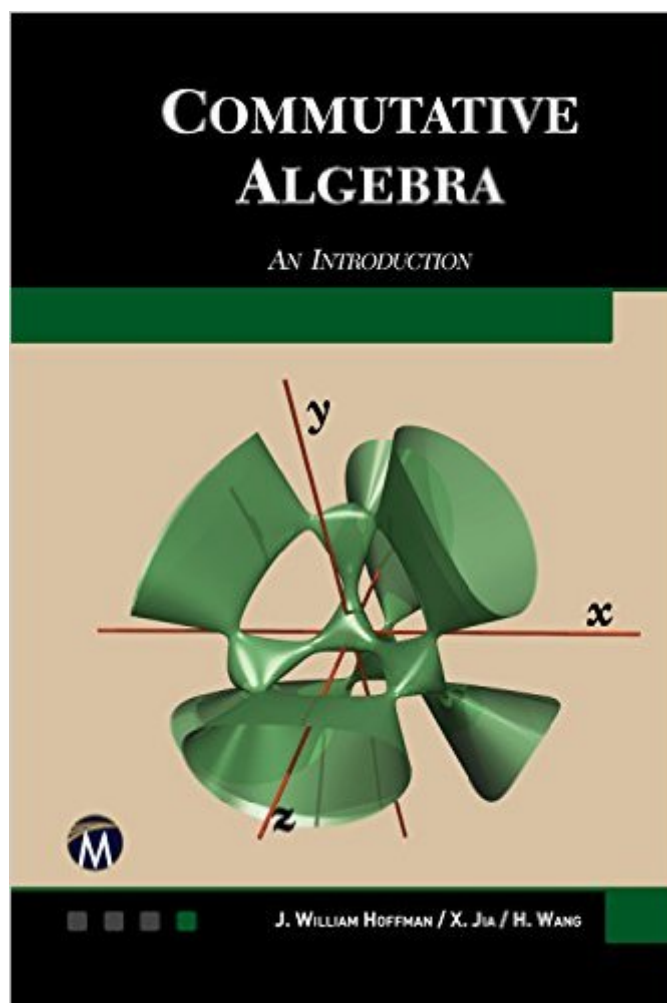


The book was found

Commutative Algebra: An Introduction



Synopsis

The purpose of this book is twofold: to present some basic ideas in commutative algebra and algebraic geometry and to introduce topics of current research, centered around the themes of Gröbner bases, resultants and syzygies. The presentation of the material combines definitions and proofs with an emphasis on concrete examples. The authors illustrate the use of software such as Mathematica and Singular. The design of the text in each chapter consists of two parts: the fundamentals and the applications, which make it suitable for courses of various lengths, levels, and topics based on the mathematical background of the students. The fundamentals portion of the chapter is intended to be read with minimal outside assistance, and to learn some of the most useful tools in commutative algebra. The applications of the chapter are to provide a glimpse of the advanced mathematical research where the topics and results are related to the material presented earlier. In the applications portion, the authors present a number of results from a wide range of sources without detailed proofs. The applications portion of the chapter is suitable for a reader who knows a little commutative algebra and algebraic geometry already, and serves as a guide to some interesting research topics. This book should be thought of as an introduction to more advanced texts and research topics. Its novelty is that the material presented is a unique combination of the essential methods and the current research results. The goal is to equip readers with the fundamental classical algebra and geometry tools, ignite their research interests, and initiate some potential research projects in the related areas.

Book Information

Hardcover: 300 pages

Publisher: Mercury Learning & Information (May 13, 2016)

Language: English

ISBN-10: 1944534601

ISBN-13: 978-1944534608

Product Dimensions: 6.2 x 0.7 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,000,279 in Books (See Top 100 in Books) #311 in Books > Science & Math > Mathematics > Geometry & Topology > Algebraic Geometry #5201 in Books > Science & Math > Mathematics > Pure Mathematics > Algebra #433877 in Books > Reference

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

Commutative Algebra: An Introduction Ideals, Varieties, and Algorithms: An Introduction to Computational Algebraic Geometry and Commutative Algebra (Undergraduate Texts in Mathematics) Commutative Algebra: with a View Toward Algebraic Geometry (Graduate Texts in Mathematics) A-Plus Notes for Beginning Algebra: Pre-Algebra and Algebra 1 Algebra 2, Student Edition (MERRILL ALGEBRA 2) Algebra 1, Student Edition (MERRILL ALGEBRA 1) Algebra Sin Dolor: Painless Algebra, Spanish Edition (Painless Series) McDougal Littell Algebra 2 (Holt McDougal Larson Algebra 2) Grassmann Algebra Volume 1: Foundations: Exploring extended vector algebra with Mathematica Algebra and Trigonometry with Analytic Geometry (College Algebra and Trigonometry) Holt McDougal Accelerated Coordinate Algebra/Analytic Geometry A Georgia: Student Workbook Coordinate Algebra/Analytic Geometry A Elementary & Intermediate Algebra (3rd Edition) (The Sullivan/Struve/Mazzarella Algebra Series) Elementary Algebra (3rd Edition) (The Sullivan/Struve/Mazzarella Algebra Series) Linear Algebra and Its Applications plus New MyMathLab with Pearson eText -- Access Card Package (5th Edition) (Featured Titles for Linear Algebra (Introductory)) Linear Algebra with Applications (9th Edition) (Featured Titles for Linear Algebra (Introductory)) Introduction to Vectors and Tensors Volume 1: Linear and Multilinear Algebra (Mathematical Concepts and Methods in Science and Engineering) Matrix Algebra: An Introduction (Quantitative Applications in the Social Sciences) Introduction to Abstract Algebra Abstract Algebra: An Introduction Solutions Manual to Accompany Introduction to Abstract Algebra, Fourth Edition

[Dmca](#)