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# Conics And Cubics: A Concrete Introduction To Algebraic Curves (Undergraduate Texts In Mathematics)





### Synopsis

Conics and Cubics offers an accessible and well illustrated introduction to algebraic curves. By classifying irreducible cubics over the real numbers and proving that their points form Abelian groups, the book gives readers easy access to the study of elliptic curves. It includes a simple proof of Bezoutâ <sup>™</sup>s Theorem on the number of intersections of two curves. The subject area is described by means of concrete and accessible examples. The book is a text for a one-semester course.

#### **Book Information**

Series: Undergraduate Texts in Mathematics Paperback: 347 pages Publisher: Springer; Softcover reprint of hardcover 2nd ed. 2006 edition (November 23, 2009) Language: English ISBN-10: 1441921788 ISBN-13: 978-1441921789 Product Dimensions: 6 x 0.8 x 9 inches Shipping Weight: 1.3 pounds (View shipping rates and policies) Average Customer Review: 5.0 out of 5 stars Â See all reviews (1 customer review) Best Sellers Rank: #1,003,339 in Books (See Top 100 in Books) #127 in Books > Science & Math > Mathematics > Number Systems #141 in Books > Science & Math > Mathematics > Geometry & Topology > Algebraic Geometry #587 in Books > Textbooks > Science & Mathematics > Mathematics > Geometry

#### **Customer Reviews**

I'm a freshman in college and I wanted to start doing research in mathematics. This was a perfect way for me to get a leg up on my peers as algebraic geometry is a vital tool in mathematics today and most undergraduates never get an exposure to it. The language is formal enough to be a textbook, but it's certainly not detached, it's much like reading the transcript of a lecture. The only knowledge that the book assumes is single variable calculus and high school algebra and geometry. Overall, the book is just very accessible and well worth the price.

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