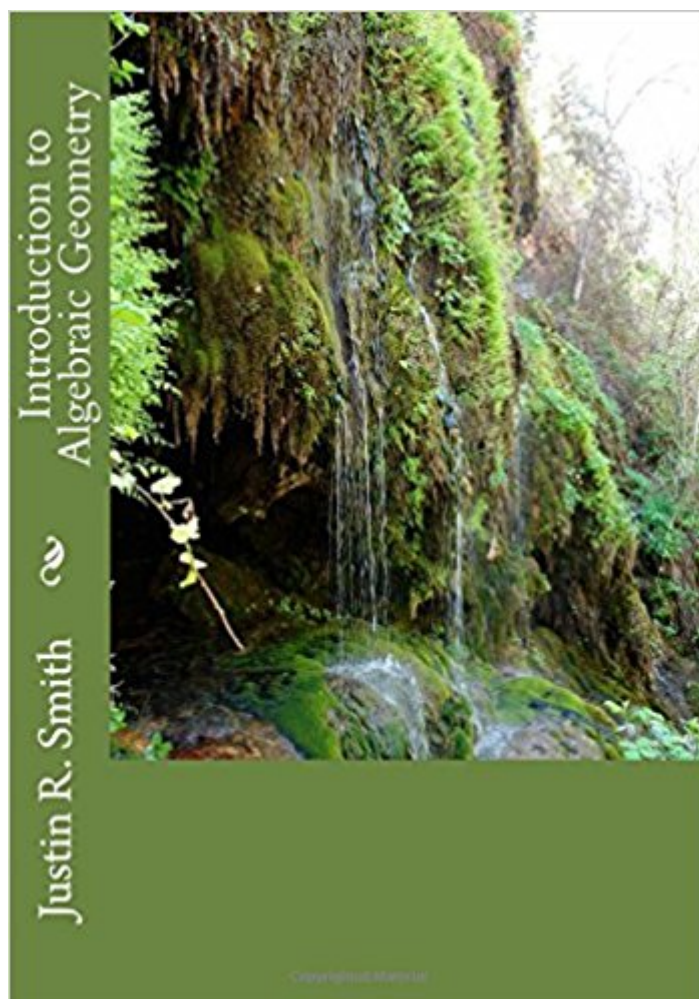


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# Introduction To Algebraic Geometry



## Synopsis

This book is intended for self-study or as a textbook for graduate students or advanced undergraduates. It presupposes some basic knowledge of point-set topology and a solid foundation in linear algebra. Otherwise, it develops all of the commutative algebra, sheaf-theory and cohomology needed to understand the material. It also presents applications to robotics and other fields.

## Book Information

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## Customer Reviews

This book provides a profound introduction to some of the basic principles of both classical and modern algebraic geometry for graduate students or advanced undergraduates. Assuming only some previous knowledge of linear algebra and general topology, it also presents all the concepts, methods and results from commutative algebra, sheaf theory and cohomology as far as necessary to develop the foundations of algebraic geometry. These allied mathematical frameworks are treated separately in four appendices after the main text, thus making the textbook essentially self-contained, and therefore particularly suited for self-study by beginners or as an accompanying course book, respectively. [Reviewer: Werner Kleinert \(Berlin\) Zentralblatt MATH: Zbl 1332.14001](#)

Dr. Smith is a professor of mathematics at Drexel University in Philadelphia.

Never heard of this text, but I'm assuming it's a good supplement for the big-named books such as Hartshorne, etc. The writing is easy to follow, and the exercises are fun! You will learn past just

general notions of algebraic geometry and even get into schemes, which is why I sought this book out.

Algebraic Geometry - woohoo!

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