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## Algebraic Geometry Dover Books on Mathematics

By Solomon Lefschetz

Dover Publications. Paperback. Book Condition: New. Paperback. 256 pages. Dimensions: 8.4in. x 5.2in. x 0.6in. This text for advanced undergraduate students is both an introduction to algebraic geometry and a bridge between its two parts--the analytical-topological and the algebraic. Because of its extensive use of formal power series (power series without convergency), the treatment will appeal to readers conversant with analysis but less familiar with the formidable techniques of modern algebra. The book opens with an overview of the results required from algebra and proceeds to the fundamental concepts of the general theory of algebraic varieties: general point, dimension, function field, rational transformations, and correspondences. A concentrated chapter on formal power series with applications to algebraic varieties follows. An extensive survey of algebraic curves includes places, linear series, abelian differentials, and algebraic correspondences. The text concludes with an examination of systems of curves on a surface. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.

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