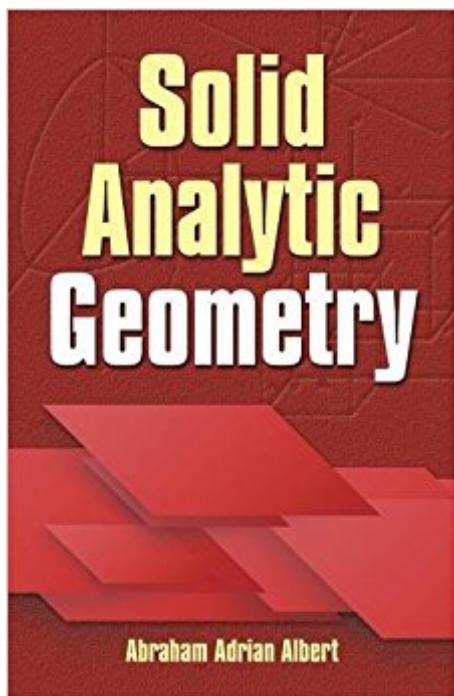


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Solid Analytic Geometry (Dover Books On Mathematics)



Synopsis

The first seven chapters of this concise text provide an exposition of the basic topics of solid analytic geometry and comprise the material for a one-semester course on the subject for undergraduate mathematics majors. The remaining two chapters offer additional material for longer courses or supplementary study. Chapters 1 and 2 contain a treatment of the equations of lines and planes. Subsequent chapters offer an exposition of classical elementary surface and curve theory, a treatment of spheres, and an examination of the classical descriptions of quadric surfaces in standard position. An exploration of the theory of matrices follows, with applications to the three-dimensional case of quadric surfaces. The text concludes with a survey of spherical coordinates and elements of projective geometry.

Book Information

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Customer Reviews

Abraham Adrian Albert (1905–1972) taught at the University of Chicago for 40 years and was Chairman of the Mathematics Department from 1958–62. His other highly regarded texts include the Dover release *An Introduction to Finite Projective Planes*.

Great book for someone has a solid background in modern algebra and would like to fill in their knowledge of 3-D geometry.

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