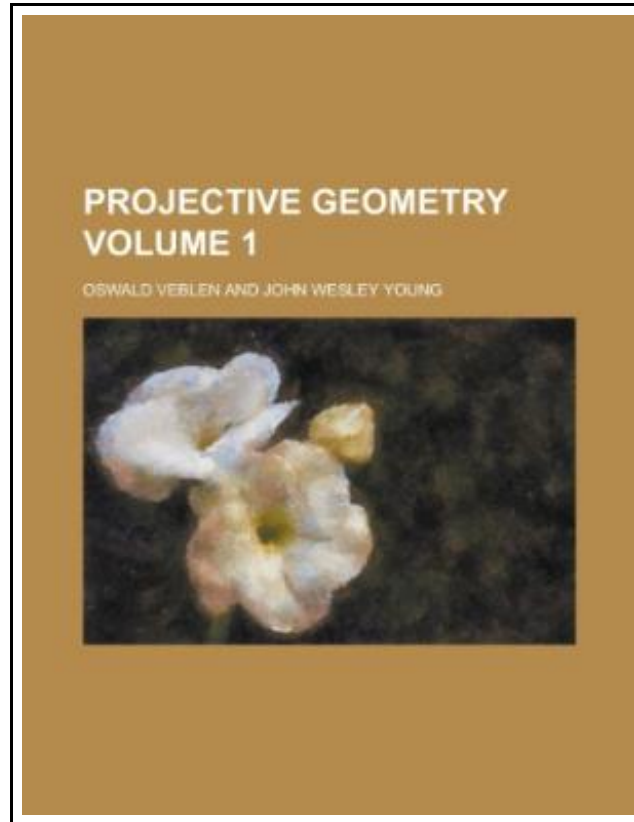


Projective geometry Volume 1



Filesize: 6.08 MB

Reviews

This is an awesome publication i have at any time read. Of course, it is play, still an interesting and amazing literature. You will like just how the author write this book.

(Prof. Herta Mann)

PROJECTIVE GEOMETRY VOLUME 1



To download **Projective geometry Volume 1** PDF, you should follow the button below and save the ebook or gain access to other information that are highly relevant to PROJECTIVE GEOMETRY VOLUME 1 ebook.

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 110 pages. Dimensions: 9.7in. x 7.4in. x 0.2in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1910 edition. Excerpt: . . . The coordinates of a double point $(xv\ x)$ must satisfy the equations $p_{xi}\ ax_1\ bx_2, p_{x\ cx_1}\ dx_2$. These equations are compatible only if the determinant of the system $\begin{vmatrix} a-p & c \\ 1 & d-p \end{vmatrix} = 0$, vanishes. This leads to the equation $a-p\ b\ l\ c\ d-p$ for the determination of the factor of proportionality p . This equation is called the characteristic equation of the matrix representing the projectivity. Every value of p satisfying this equation then leads to a double point when substituted in one of the equations (3); viz. , if p , be a solution of the characteristic equation, the point $(xv\ ag\ (-b, a-pl)\ (d-pv-c)$ is a double point. In homogeneous coordinates the cross ratio $R(AB, CD)$ of four points $A(av\ a_3), B(bv\ ft_2), C(cv\ c_2), D(dv\ d)$ is given by $(ac)(be)(ad)(bd)$ where the expressions (ac) , etc. , are used as abbreviations for $a--a$, etc. This statement is readily verified by writing down the above ratio in terms of the nonhomogeneous coordinates of the four points. We will close this section by giving to the two homogeneous coordinates of a point on a line an explicit geometrical significance. In view of the fact that the coordinates of such a point are not uniquely determined, a factor of proportionality being entirely arbitrary, there may be many such interpretations. On account of the existence of this arbitrary factor, we may impose a further condition on the coordinates $(xv\ x_2)$...



[Read Projective geometry Volume 1 Online](#)



[Download PDF Projective geometry Volume 1](#)

Relevant eBooks



[PDF] The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up

Click the hyperlink below to download "The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up" document.

[Read PDF »](#)



[PDF] Animalogy: Animal Analogies

Click the hyperlink below to download "Animalogy: Animal Analogies" document.

[Read PDF »](#)



[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)

Click the hyperlink below to download "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications . (Paperback)" document.

[Read PDF »](#)



[PDF] Molly on the Shore, BFMS 1 Study score

Click the hyperlink below to download "Molly on the Shore, BFMS 1 Study score" document.

[Read PDF »](#)



[PDF] Yearbook Volume 15

Click the hyperlink below to download "Yearbook Volume 15" document.

[Read PDF »](#)



[PDF] Froebel s Occupations (Paperback)

Click the hyperlink below to download "Froebel s Occupations (Paperback)" document.

[Read PDF »](#)