



On the Conformal Representation of Plane Curves Particularly for the Cases P = 4, 5, and 6 (Classic Reprint) (Paperback)

By Charlotte Elvira Pengra

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from On the Conformal Representation of Plane Curves Particularly for the Cases P = 4, 5, and 6 In order to do this we must classify surfaces according to their deficiencies and treat each class separately. In the case p=0 there are no cuts on the surface and no integrals of the first kind. Integrals of the second kind exist on all surfaces. Let us select one of these, w, which has a single algebraic infinity. The function w being of weight one assumes one and only one value corresponding to each point of the n-leaved surface $F(x, y) = 0$. These values, real and complex, may be represented by the points in a plane by the ordinary representation of complex numbers. The given n-leaved surface can then be conformally represented upon a plane by means of the real and complex values assumed by w. If p = 1 two cuts are required to make the surface simply connected. We know that on any surface of deficiency p, there exist p linearly independent integrals of...

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