Transformations of Surfaces (Classic Reprint) (Paperback)

By Luther Pfahler Eisenhart

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Transformations of Surfaces During the past twenty-five years many of the advances in differential geometry of surfaces in euclidean space have had to do with transformations of surfaces of a given type into surfaces of the same type. Before this period Bianchi and Backlund had established their transformations of a pseudospherical surface into pseudospherical surfaces, the essential feature of which is that a given surface and any transform are the focal surfaces of a W congruence. Furthermore, Bianchi (Lezioni, 383) established the so-called theorem of permutability of such transformations; that is, if St and St are two transforms of S there can be found a fourth surface S which is a transform of both 6 i and Ss. Later (footnote 41) he showed that there is a similar theorem of permutability for transformations such that a given surface and a transform are the focal surfaces of a W congruence. In 1899 Guichard (f. 11. 100) announced two theorems concerning the deformations of a quadric of revolution which led to the transformations of Darboux of isothermic...

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It in a single of the most popular publication. Sure, it really is engage in, still an interesting and amazing literature. Your life period will be change the instant you full reading this book.
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