

ORLICZ GEOMINIMAL SURFACE AREAS

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Abstract. In 1996, E. Lutwak extended the important concept of geominimal surface area to L_p version, which serves as a bridge connecting a number of areas of geometry: affine differential geometry, relative differential geometry, and Minkowskian geometry. In this paper, by using the concept of Orlicz mixed volume, we extend geominimal surface area to the Orlicz version and give some properties and an isoperimetric inequalities for the Orlicz geominimal surface areas.

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