

Surfaces with a common isophote curve in Minkowski 3-space *

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ABSTRACT

Isophote curve on a surface consists of a locus of surface points that have same light intensity from a given light source. In this study, we investigate the problem of generating a family of surfaces through a given spacelike (or time-like) isophote curve in Minkowski 3-space. Moreover, we give some illustrated examples via Bézier curves and some simple curves.

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