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ON THE MEAN, GAUSS AND SECOND GAUSSIAN
CURVATURE OF HELICOIDAL SURFACES WITH
LIGHT-LIKE AXIS IN IR_1^3

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Abstract

In this paper, the second Gaussian curvature of the helicoidal surfaces with light-like axis of type *IV* is obtained in Minkowski 3-space. In addition, some relations between the mean, Gauss and second Gaussian curvature of the helicoidal surfaces with light-like axis of type *IV* is given in Minkowski 3-space.

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