



ZONGULDAK KARAEMLAS UNIVERSITY
FACULTY OF ARTS AND SCIENCES
DEPARTMENT OF MATHEMATICS



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

Erhan GÜLER

Etimesgut Anatolian Commercial and Vocational High School, Ankara, Turkey
e-mail: erhanguler@yahoo.com

Aysel TURGUT VANLI

Department of Mathematics, Faculty of Arts and Sciences, Gazi University,
Turkey
e-mail: avanli@gazi.edu.tr

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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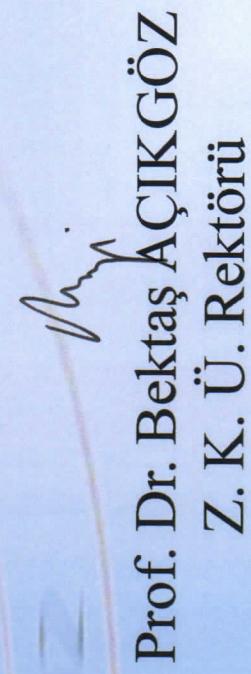
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Prof. Dr. Arif AMIROV
Organizasyon Komitesi Başkanı



Prof. Dr. Bektaş AÇIKGÖZ
Z. K. Ü. Rektörü