

HOMOTHETIC MOTIONS IN SEMI-EUCLIDEAN SPACE \mathbb{E}_2^4

By L. KULA and Y. YAYLI*

Department of Mathematics, Faculty of Science, Ankara University, 06100
Tandogan-Ankara, Turkey

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ABSTRACT

In this study, a Hamilton motion is defined in four-dimensional Euclidean space \mathbb{E}_2^4 , and it is shown that it is a homothetic motion. Furthermore, it is found that the Hamilton motion defined by a regular curve of order r has only one acceleration centre of order $(r - 1)$ at every instant t .