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A CERTAIN CLASS OF SURFACES ON PRODUCT TIME SCALES WITH INTERPRETATIONS FROM ECONOMICS

E. YILMAZ, M. EVREN AYDIN, AND T. GULSEN

ABSTRACT

In this study, we consider a graph surface associated to Cobb-Douglas production function in economics on product time scales. We classify this surface based on the flatness and minimality properties for several product time scales. Then, we interpret the obtained results from the perspective of production theory in economics. Therefore, we extend the known results in Euclidean geometry by considering time scale calculus.

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(E. YILMAZ) Firat university, Department of Mathematics, 23119, Elazig, TURKEY
Current address: Firat university, Department of Mathematics, 23119, Elazig, TURKEY
E-mail address, author one: emrah231983@gmail.com

(M. Evren AYDIN) Firat university, Department of Mathematics, 23119, Elazig, TURKEY
E-mail address, author two: aydnevren@gmail.com

(T. GULSEN) Firat university, Department of Mathematics, 23119, Elazig, TURKEY
E-mail address, author three: tubayalcin87@hotmail.com