

USING OF LOGO DESIGNING STUDIES IN ANALYTICAL INVESTIGATION OF ELLIPSE AND CIRCULAR

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Abstract

In this study, the application of logo design activities for the evaluation of ellipses and circles' analytical investigation was done. In this context, it is aimed to eliminate the learning deficiencies, if any, in the analytical study of the conic sections of the prospective teachers. This study is a qualitative case study in which the results of the application of logo design activities are examined in depth in the analytical investigation of ellipses and circles. According to the study findings, pre-service teachers were able to visualize the curves by making drafts for the first time by drawing their drafts by using ellipses and circles by using their creative, original ideas. In addition, it was seen that the curves found in the sketch drawings have found their equations by using the coordinate system and giving them the golden ratio they should use.

Keywords: Ellipses, circles, prospective teachers, logo design.