

Abstract

Research Title	Application Parametric Cubic Splines Curves for Designing in Two - Dimensional
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In this paper we study the parametric of cubic splines curve $x = at^3 + bt^2 + ct + d$, $y = \alpha t^3 + \beta t^2 + \gamma t + \delta$ where (x, y) are coordinate of curves , t is variable and $a, b, c, d, \alpha, \beta, \gamma, \delta$ are parameters. They used in designing a two – dimensional shape. A cubic splines is used to design a simple aerofoil shape. The mathematics is shown and the shape presented by Geometer's Sketchpad. The effect of varying parameters is established in this method.

Keywords: Geometer's Sketchpad, parametric, Cubic Splines equation