Abstract

Curve fitting gives the user a mathematical function that best fits to a series of data points while considering the constraints of the data. This paper presents an algorithm to determine the equation of a hand-drawn curve using polynomial regression. The hand-drawn curve may be digitally drawn, or manually drawn on paper and scanned. Polynomial regression is used to estimate the order of the equation that fits the curve and determine the coefficients of the equation.

References


**Index Terms**

Computer Science  
Image Processing

**Keywords**

Polynomial Regression, Regression, Curve Fitting.