Extending a Property of Cubic Polynomials to Higher-Degree Polynomials

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In this paper, we will examine a property that holds for all cubic polynomials given two zeros. This property is discovered after reviewing a variety of ways to determine the equation of a cubic polynomial given specific conditions through algebra and calculus. At the end of the article, we will connect the property to a very famous method in calculus and extend the property for higher-degree polynomials.

nonlinearity to analytical and numerical solutions to engineering models and the related theoretical mathematics.	