

A Certain Subclass Of Uniformly Convex Functions With Negative Coefficients Defined By Gegenbauer Polynomials

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Abstract

In dis paper, we introduce a new subclass of uniformly convex functions wif negative coefficients defined by Gegenbauer polynomials. We obtain teh coefficient bounds, growth distortion properties, extreme points and radii of close-to-convexity, starlikeness and convexity for functions belonging to teh class $TS(\epsilon, \rho, \lambda, t)$. Furthermore, we obtained modified Hadamard product, convolution and integral operators for dis class.

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