

ON CERTAIN SUBCLASSES OF PRESTARLIKE FUNCTIONS WITH NEGATIVE COEFFICIENTS

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Abstract

The object of this paper is to define a generalized class of starlike functions with negative coefficients and we have attempted to obtain coefficient estimates, distortion bounds, closure theorems and extreme points. Also we obtain modified hadamard product, radii of close-to-convex, starlikeness and convexity for functions belonging to this class. Furthermore neighborhood results are obtained.

Key Words: Univalent functions, Convex functions, Starlike functions, Hadamard product, Pre-starlike functions, Salagean derivative operator.

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