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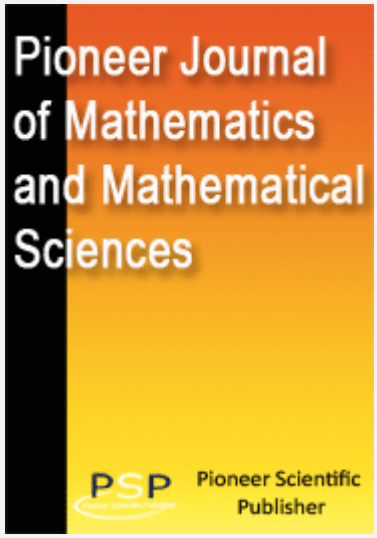

ON A CLASS OF UNIVALENT FUNCTIONS WITH NEGATIVE COEFFICIENTS DEFINED BY GENERALIZED RUSCHEWEYH DERIVATIVES I

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Abstract

In the present paper, we have studied a class $T^{\vartheta,\mu,\nu}(n, \tau, \alpha, \beta)$ of analytic and univalent functions as defined by making use of the generalized Ruscheweyh derivatives in the unit disk U and obtain some sharp results including coefficient inequality, Radii of starlikeness, convexity and close-to-convexity, distortion theorem, extreme points, closure theorem and Hadamard product.

Keywords and phrases: univalent function, generalized Ruscheweyh derivatives, radius of starlikeness, extreme points, distortion theorem, closure theorem, Hadamard product.