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CERTAIN SUBCLASSES OF ANALYTIC FUNCTIONS ASSOCIATED WITH THE WRIGHT GENERALIZED HYPERGEOMETRIC FUNCTION

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Abstract

In this paper we investigate some new subclasses of multivalent analytic functions involving the Wright generalized hypergeometric function. We study some properties of these function subclasses such as inclusion relationships, integral representations, convolution properties and integral-preserving properties. The results presented here would provide extensions of those given in a number of earlier works. Several other new results are also obtained.

Key Words and Phrases : Analytic function, Multivalent function, Convex univalent function, Hadamard product, Generalized hypergeometric function, Subordination between analytic functions.

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