

A CLASS OF ANALYTIC FUNCTIONS INVOLVING THE DZIOK–RAINA OPERATOR

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Abstract. This paper first defines a class of analytic functions which is associated with the Dziok–Raina operator and related closely with the class of uniformly convex functions. Several characteristics for this class of functions are investigated which include certain inclusion relations, convolution properties and the order of starlikeness. Several cases and implications of the main results including the concept of subordinations are discussed and some consequent results are also pointed out.

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