

COEFFICIENT INEQUALITIES FOR CERTAIN SUBCLASSES OF ANALYTIC FUNCTIONS AND THEIR APPLICATIONS INVOLVING THE OWA–SRIVASTAVA OPERATOR OF FRACTIONAL CALCULUS

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Abstract. The purpose of the present paper is to derive several Fekete-Szegő type coefficient inequalities for certain subclasses of normalized analytic functions $f(z)$ defined in the open unit disk. Various applications of our main results involving (for example) the Owa-Srivastava operator of fractional calculus are also considered. Thus, as one of these applications of our result, we obtain the Fekete-Szegő type inequality for a class of normalized analytic functions, which is defined here by means of the Hadamard product (or convolution) and the Owa-Srivastava operator.

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