

CERTAIN CLASSES OF UNIVALENT FUNCTIONS WITH NEGATIVE COEFFICIENTS DEFINED BY LINEAR OPERATOR

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Abstract

In the present paper, we have introduced and studied the subclass $A_n(m, \beta, p, q, \lambda)$ of univalent functions with negative coefficients defined by new linear operator J^λ in the open unit disk $U = \{z \in \mathbb{C} : |z| < 1\}$. The main object is to investigate several properties such as coefficient estimates, distortion theorems, closure theorems. Neighborhood and radii of starlikeness, convexity and closetoconvexity of functions belonging to the class $A_n(m, \beta, p, q, \lambda)$.

Keywords: Univalent Functions, Linear Operator, Subclasses, Distortion, Closure, Starlikeness etc..

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