
COEFFICIENT BOUNDS AND INCLUSION PROPERTIES FOR A SUBCLASS OF ANALYTIC FUNCTIONS DEFINED BY KOMATU INTEGRAL OPERATOR

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ABSTRACT

The present investigation in Geometric Function Theory of Complex Analysis is essentially motivated by the importance and usefulness of the coefficient bounds and the coefficient estimates for functions belonging to several analytic and univalent function classes, such as the classes of starlike and convex functions. In this paper, we introduce and study a new subclass of analytic functions defined by Komatu integral operator in the unit disk. For this subclass, coefficient bounds and inclusion properties are obtained.

Keywords Analytic functions · Komatu integral operator · Coefficient bounds · inclusion properties

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