ON A SUBCLASS OF ANALYTIC CLOSE–TO–CONVEX FUNCTIONS IN $q$–ANALOGUE ASSOCIATED WITH JANOWSKI FUNCTIONS

Bakhtiar Ahmad, Muhammad Farooq and Raees Khan

Abstract. In this article we define a new subclass of analytic multivalent close-to-convex functions in $q$-calculus associated with Janowski functions. We investigate some geometric properties such as sufficiency criteria, distortion problem, growth theorem, radii of starlikeness and convexity and coefficient estimates for this class.


Keywords and phrases: Multivalent analytic functions, starlike functions, close-to-convex functions, Janowski functions.

REFERENCES


