Second Hankel Determinant for Strongly Bi-Starlike of order a ABSTRACT

Let A denote the class of functions $f(z) = z + \infty n = 2$ anz n which are analytic in the open unit disc U = $\{z : |z| < 1\}$. Let S denote the class of all functions in A that are univalent in U. A function $f \in A$ is said to be bi-univalent in U if both f and f - 1 are univalent in U. Let denote the class of bi-univalent functions in U. In this paper, we obtained the upper bounds for the second Hankel functional |a2a4 - a23| for strongly bi-starlike of order a.