

Second Hankel Determinant for Strongly Bi-Starlike of order α

ABSTRACT

Let A denote the class of functions $f(z) = z + \sum_{n=2}^{\infty} a_n z^n$ 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 \mathcal{B}_S denote the class of bi-univalent functions in U . In this paper, we obtained the upper bounds for the second Hankel functional $|a_2 a_4 - a_3^2|$ for strongly bi-starlike of order α .