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SECOND HANKEL DETERMINANT FOR ALPHA STARLIKE FUNCTIONS

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Abstract

Denote S to be the class of functions which are analytic, normalized and univalent in the open unit disc $D = \{z : |z| < 1\}$. The important sub classes of S are the class of starlike and convex functions, which we denote by S^* and C. This paper focuses on attaining sharp upper bounds for the functional $|a_2a_4 - a_3^2|$ for functions $f(z) = z + \sum_{n=2}^{\infty} a_n z^n$ belonging to α -startlike function denoted by M_{α} .

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