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COEFFICIENT INEQUALITY FOR SUBCLASSES OF STARLIKE FUNCTIONS WITH RESPECT TO CONJUGATE POINTS

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Abstract

In the present paper, we introduced some subclasses of analytic-univalent functions with respect to conjugate points and established the sharp upper bounds of functional $|a_2a_4 - a_3^2|$for the functions of the form $f(z) = z + \sum_{k=2}^{\infty} a_k z^k$ belonging to such classes of functions in the unit disc $E = \{z : |z| < 1\}$.

Key Words : *Analytic functions, Starlike functions with respect to conjugate points, Convex functions with respect to conjugate points, Hankel determinant, Coefficient bounds.*

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