

Class with negative coefficients and convex with respect to symmetric points

ABSTRACT

Let $C_sT(A, B)$ denote the class of functions $f(z) = z - \sum_{n=2}^{\infty} a_n z^n$ which are analytic in an open unit disc $\mathcal{D} = \{z: |z| < 1\}$ and satisfying the condition $\frac{2(zf'(z))'}{(f(z)-f(-z))'} < \frac{1+Az}{1+Bz}$, $-1 \leq B < A \leq 1, z \in \mathcal{D}$. The aims of paper are to determine coefficient estimates and distortion bounds for the class $C_sT(A, B)$.