

Some Inequalities Related with Starlike Log-Harmonic Mappings

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Abstract : Let $H(D)$ be the linear space of all analytic functions defined on the open unit disc. A log-harmonic mappings is a solution of the nonlinear elliptic partial differential equation where $w(z) \in H(D)$ is second dilatation such that $|w(z)| < 1$ for all $z \in D$. The aim of this paper is to define some inequalities of starlike logharmonic functions of order $\alpha (0 \leq \alpha \leq 1)$.

Keywords : starlike log-harmonic functions, univalent functions, distortion theorem

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