ON GEOMETRICAL PROPERTIES OF
STARLIKE LOGHARMONIC MAPPINGS

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Abstract. In this paper, we find the radius of the disk \( \Omega_r \) such that every starlike logharmonic mapping \( f(z) \) of order \( \alpha \), is starlike in \( |z| \leq r \) with respect to any point of \( \Omega_r \). We also establish a relation between the set of starlike logharmonic mappings and the set of starlike logharmonic mappings of order \( \alpha \). Moreover, the radius of starlikeness and univalence for the set of close to starlike logharmonic mappings of order \( \alpha \) is determined.


Keywords and phrases: Logharmonic mappings, rotationally starlike mappings, stable properties.

REFERENCES


