Journal of Classical Analysis
Volume 12, Number 1 (2018), 15–25
doi:10.7153/jca-2018-12-03

ON GEOMETRICAL PROPERTIES OF STARLIKE LOGHARMONIC MAPPINGS

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

Mathematics subject classification (2010): Primary 30C35, 30C45, Secondary 35Q30.
Keywords and phrases: Logharmonic mappings, rotationally starlike mappings, stable properties.

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Paper JCA-12-03

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