

论文

AN IMPROVEMENT ON ESTIMATE OF d_0/d^* FOR STARLIKE FUNCTIONS

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摘要 Let S^* be the class of starlike functions in unit disc. For $f \in S^*$, denote its radius of convexity by r_0 and let $d_0 = \min_{|z|=r_0} |f(z)|$, $d^* = \inf_{|\beta| \neq \beta, |z| < 1} \{|\beta| |f(z)|\}$. In this paper we prove $d_0/d^* \geq 0.45$, thus improving the result of $d_0/d^* \geq 0.38$ by McCarty, C.P. and Tepper, D.E. and $d_0/d^* \geq 0.41$ by Huang Xinzhong.

关键词 [Starlike function](#), [radius of convexity](#).

分类号

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Key words [Starlike function](#) [radius of convexity](#) [2/3 conjecture](#)

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