1077-30-276

See Keong Lee* (sklee@cs.usm.my), School of Mathematical Sciences, Universiti Sains Malaysia, 11800 Minden, Penang, Malaysia. *Coefficient Estimates for Bi-univalent Ma-Minda Starlike and Convex Functions.*

In this paper, we investigate estimates for the initial coefficients of normalized analytic functions f defined on the open unit disk \mathbb{D} with f and its inverse $g = f^{-1}$ satisfying the condition that zf'(z)/f(z) and zg'(z)/g(z) are both subordinate to certain starlike univalent function $\varphi(z)$ whose range $\varphi(\mathbb{D})$ is symmetric with respect to the real axis. Certain other related functions are also considered and connection to the previously known results are also indicated. (Received August 18, 2011)