ON SOME PROPERTIES OF THE CARATHÉODORY FUNCTIONS

NAK EUN CHO, OH SANG KWON, MAMORU NUNOKAWA AND JANUSZ SOKÓŁ

Abstract. We find a sufficient condition for an analytic function in $|z| < 1$ to be with positive real part in $|z| < 1$. It follows sufficient conditions for a function to be convex, starlike, etc. These conditions describe the boundary behavior of the functions on $|z| = r < 1$.


Keywords and phrases: Analytic, univalent, convex, starlike, close-to-convex, differential subordination.

REFERENCES