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NEW CRITERIA FOR MEROMORPHIC MULTIVALENT FUNCTIONS

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Abstract

In this paper we introduced two subclasses $U_p^*(\alpha,\beta)$ and $\lambda_p^*(\alpha,\beta)$ of meromorphic multivalent functions in the punctured disk $D=\{z:0<|z|<1\}$. Coefficient inequalities, distortion theorems, the radii of starlikeness and convexity, closure theorems and convolution of functions belonging to these classes are obtained.

Keywords : Meromorphic multivalent functions ,Starlike and convex functions.

Mathematics Subject Classification : 30C45,30C50

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