NEIGHBOURHOODS OF UNIVALENT ANALYTIC FUNCTIONS

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Abstract

In this thesis, using the notion of neighbourhood of analytic functions due to Stephen Ruscheweyh, we discuss conditions under which neighbourhoods of functions in certain subclasses of univalent analytic functions belongs to some classes of univalent functions. A partial answer of the problem due to Rahman and Stankewicz, and some distortion theorems for functions in $C(A,B)$ are also discussed.