

APPLICATIONS OF THEORY OF DIFFERENTIAL SUBORDINATION OF FUNCTIONS WITH FIXED INITIAL COEFFICIENT

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Abstract. Open door lemma is proved for the analytic function f in the unit disc with fixed second coefficient. Conditions on f are obtained so that α -convex integral operator on f belong to certain subclasses of starlike functions. Several interesting applications are given.

Mathematics subject classification (2010): 30C80, 30C45.

Keywords and phrases: Convex and starlike functions, differential subordination, univalent functions, fixed initial coefficient.

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