

A CERTAIN GENERALIZATION OF P-VALENT PRESTARLIKE AND CONVEX FUNCTIONS DEFINED BY FRACTIONAL DERIVATIVE OPERATOR

ABDUL SHAKOR S. TEIM

Abstract

The present paper investigates a general class of analytic and p-valent functions with negative coefficients in the unit disc U , involving certain linear operator of fractional calculus. Distortion Theorem and other properties of this class of this function are studied. Further preserving integral operator and some closed Theorems for this class are also mentioned.

Key Words and Phrases: Fractional derivative, analytic, p-valent and prestarlike functions.

2000 Mathematics Subject Classification: 30C45, 26A33

@ Ascent Publication House: [http:// www.ascent-journals.com](http://www.ascent-journals.com)