International J. of Math. Sci. & Engg. Appls. (IJMSEA) ISSN 0973-9424, Vol. 4 No. I (March, 2010), pp. 337-344

ON SUBCLASSES OF RUSCHEWEYH CLASS FUNCTIONS OF ORDER α AND TYPE β

S. LATHA AND O. KARTHIYAYINI

Abstract

In this paper, we introduce and study the class $V_n^b(\alpha, \beta, A, B)$ which contains several well known classes of analytic functions studied earlier in literature. The representation formula and distortion theorem for functions in this class have been obtained.

Key Words and Phrases: Hadamard product, Pochhammer symbol, Incomplete beta function, Carlson - Shaffer Operator.

2000 Mathematics Subject Classification: Primary 30C4