International J. of Math. Sci. & Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 7 No. I (January, 2013), pp. 65-77

NEIGHBORHOODS OF CERTAIN CLASS OF ANALYTIC FUNCTIONS OF COMPLEX ORDER WITH NEGATIVE COEFFICIENTS INVOLVING CERTAIN FRACTIONAL DIFFERENTIAL OPERATOR

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Abstract

In this paper we prove several inclusion relations associated with (n, δ)- neighborhood of certain subclasses of analytic functions of complex order with negative coefficients by making use of the familiar concept of neighborhoods of analytic functions. Special cases of some of these inclusion relations are shown to yield known results.

Key Words : *Univalent functions, Starlike functions, Convex functions,* n, δ*) - neighborhood and Linear operator.*

2000 AMS Subject Classification : 30 C 45, 26A33.

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