

A SUBCLASS OF UNIVALENT FUNCTIONS WITH NEGATIVE COEFFICIENTS

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Abstract

In this paper we introduce a subclass of analytic and univalent functions in the unit disc. We derive some results of convolution of the normalized univalent functions for the classes $T_1^*(A, B)$ and $C_1(A, B)$. Using Cauchy Schwarz inequality we have obtained coefficient bounds and convolution results of univalent functions with missing second coefficient of alternating type and all the results are best possible and sharp.

Keywords : Holomorphic functions, Cauchy Schwarz inequality, Univalent functions, Analytic functions, Convolution, Coefficient inequality