

Certain classes of p -valent functions defined by convolution ¹

M. K. Aouf, A. O. Mostafa

Abstract

Making use of a differential operator and a given p -valent analytic function g the authors introduce and study two new classes $TS_g^*(p, q, n, \alpha)$ and $TC_g(p, q, n, \alpha)$ of p -valent analytic functions with negative coefficients. They also indicate relevant connections of these classes with several other families of multivalent functions which were studied by earlier workers as well as new.

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M. K. Aouf

Mansoura University
Faculty of Science
Department of Mathematics
Mansoura, 35516, Egypt
e-mail: mkaouf127@yahoo.com

A. O. Mostafa

Mansoura University
Faculty of Science
Department of Mathematics
Mansoura, 35516, Egypt
e-mail: adelaeg254@yahoo.com