

International J. of Pure & Engg. Mathematics (IJPEM)
ISSN 2348-3881, Vol. 2 No. III (December, 2014), pp. 25-34

ON A CLASS OF MULTIVALENT FUNCTIONS INVOLVING A GENERAL FRACTIONAL RUSCHEWEYH OPERATOR

RAHULKUMAR DIPAKKUMAR KATKADE

Research Scholar,
Shri. Jagdishprasad Jhabarmal Tibrewala University,
Jhunjhunu, Rajasthan, India

Abstract

In this paper we introduce the class $\Sigma_p^{\lambda, \mu}(\gamma, \beta)$ by using the general fractional Ruscheweyh operator. The aim of this paper is to study some properties of this class, the coefficient bounds, radii of starlikeness and convexity.

Key Words : *Generalized Ruscheweyh operator, Fractional derivative, Radii of starlikeness, Integral operator.*

AMS Subject Classification : 30C45, 30C50.

© <http://www.ascent-journals.com>