SUBORDINATION RESULTS ON MULTIVALENT FUNCTIONS RELATED TO THE SAIGO FRACTIONAL DIFFERENTIAL OPERATOR

J. K. Prajapat

Abstract. In this paper we consider a class of multivalent analytics functions based on the use of the Saigo operators of fractional calculus, known as Saigo hypergeometric fractional integrals and derivatives. We obtain some useful properties and characteristics using the techniques of differential subordinations. The main results are illustrated by several interesting corollaries and show their relevance with earlier results.


Keywords and phrases: Classes of univalent and multivalent functions, operators of fractional calculus, Saigo fractional differintegral operators, differential subordination.

REFERENCES


