

Some applications for generalized fractional operators in analytic functions spaces

ABSTRACT

In this study a new generalization for operators of two parameters type of fractional in the unit disk is proposed. The fractional operators in this generalization are in the Srivastava-Owa sense. Concerning with the related applications, the generalized Gauss hypergeometric function is introduced. Further, some boundedness properties on Bloch space are also discussed.

Keyword : Analytic functions; Normalized functions; Srivastava-Owa fractional operators; Generalized Gauss hypergeometric function; Bloch space