

Approximation by Generalized Lupaş-Durrmeyer Operators with Two Parameter α and β

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Abstract : This paper deals with the Stancu type generalization of Lupaş-Durrmeyer operators. We establish some direct results in the polynomial weighted space of continuous functions defined on the interval $[0, 1]$. Also, Voronovskaja type theorem is studied.

Keywords : Lupaş-Durrmeyer operators, polya distribution, weighted approximation, rate of convergence, modulus of continuity

Conference Title : ICACM 2016 : International Conference on Applied and Computational Mathematics

Conference Location : Venice, Italy

Conference Dates : June 13-14, 2016