

STATISTICAL APPROXIMATION FOR GENUINE MIXED INTEGRAL TYPE OPERATORS

PRERNA SHARMA

SVP University of Agriculture and Technology, Meerut, Uttar Pradesh, India

ABSTRACT

This paper deals with the study the q -analogue of integral type operators namely Szasz-Mirakyan-Baskakov-Stancu operators. For finding the moments, we apply q -derivative and q -Beta functions of these operators. We also examine some estimations e.g. weighted approximation, rate of convergence and point-wise convergence.

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KEY WORDS: Baskakov Operators, q -Beta Function, q -Analogue & Weighted Approximation

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