CERTAIN APPROXIMATION PROPERTIES
OF SRIVASTAVA–GUPTA OPERATORS

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Abstract. In this paper we consider a modification of the well known sequence of summation integral operators, the Srivastava-Gupta operators, in order to achieve faster convergence for our operators over the classical ones. Also, the order of approximation for our proposed operators via Peetre K-functional and weighted approximation properties are studied. Some numerical considerations regarding the approximation properties, are considered.

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