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APPROXIMATION PROPERTIES OF (p,q)–GAMMA OPERATORS

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Abstract. In this paper, we introduce a new analogue of Gamma operators and we call it as (p,q)-Gamma operators which is a generalization of q-Gamma operators. Moments of these operators is estimated. And some other results of these operators are studied by means of modulus of continuity and Peetre K-functional. Then, some theorems concerned with the rate of convergence and the weighted approximation for these operators are also obtained. Finally, a Voronovskaya asymptotic formula is also presented.

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