Approximation by Certain Linear Positive Operators of Two Variables

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Abstract

In this study, we introduce positive linear positive operators which are combined the Chlodowsky and Szász type operators and study some approximation properties of these operators in the space of continuous functions of two variables on a compact set. The rate of convergence of this operators are obtained by means of the modulus of continuity. And we also obtain weighted approximation properties for these positive linear operators in a weighted space of functions of two variables and find the rate of the convergence for this operators by using weighted modulus of continuity.

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