



Approximation Results for Chlodowsky Modification of A New Bernstein-like Operators

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Abstract

In the present paper, we introduce the Chlodowsky modification of a new Bernstein-like operators which is recently defined in [?]. We examine the approximation properties dealing with the rate of convergence in terms of modulus of continuity and Peetre-K functional. Under the conditions of differentiability of a given function f or belonging to Lipschitz class, we obtain upper bounds for $\|L_{r,a,b}(f) - f\|_{C[-a,(1+a)b_r-a]}$.

Keywords: Positive linear operators, Bernstein-Chlodowsky operators, modulus of continuity, Lipschitz space, Peetre K-functional.

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