
APPROXIMATION BY NEW (λ, μ) -BERNSTEIN-KANTOROVICH OPERATORS

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ABSTRACT

Using the shape parameter λ is of great interest nowadays. This parameter provides considerable flexibility, and improves the modeling possibilities in approximation theory. Two main studies can be given as [2] and [3]. Inspired by these studies, using the Kantorovich operators in [1] and the idea of [3], we generalize another variant of (λ, μ) -Bernstein-Kantorovich operators. This talk presents new generalized (λ, μ) -Bernstein-Kantorovich operators. We investigate the approximation properties of these new generalized operators. We also provide some numerical and graphical examples to demonstrate the rate of convergence of the constructed operators.

Keywords λ -Bernstein operators · (λ, μ) -Bernstein-Kantorovich operators · Rate of convergence

References

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