Korovkin Type Approximation Theorems via Generalized Weighted Norlund-Euler Statistical Convergence in Fuzzy Spaces

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ABSTRACT

In this article, we investigate Korovkin type approximation theorem by means of generalized weighted Norlund- Euler statistical convergence. Furthermore, we also compute the rates of this statistical fuzzy convergence of aforementioned operators via fuzzy modulus of continuity. An illustrative example is provided with the help of fuzzy Bernstein operators which shows the significance of our approximation theorem.

Keywords: Norlund- Euler; Generalized weighted Norlund- Euler statistical convergence; statistical fuzzy convergence

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