WEIGHTED APPROXIMATION BY BASKAKOV OPERATORS

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Abstract. The weighted approximation errors of Baskakov operator is characterized for weights of the form $w(x) = x^{\gamma}(1+x)^{\gamma_0}$, where $\gamma_0 \in [-1, 0]$, $\gamma_\infty \in \mathbb{R}$. Direct inequalities and strong converse inequalities of type A are proved in terms of the weighted $K$-functional.


Keywords and phrases: Baskakov operator, $K$-functional, direct theorem, strong converse theorem.

REFERENCES
