

WEIGHTED I -STATISTICAL CONVERGENCE AND ITS APPLICATION TO KOROVKIN TYPE APPROXIMATION THEOREM

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Abstract

In this paper, we introduce the concepts of weighted ideal statistical convergence or $S_N(I)$ -convergence and $I - (\overline{N}, p_n)$ -summability. We also establish the relations between our new methods. Further, we determine a Korovkin type approximation theorem through $I - (\overline{N}, p_n)$ -summability.

Key Words : *Weighted mean, I-statistical convergence, Korovkin type approximation theorem, Positive linear operator.*

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