

SOME SUMMABILITY METHODS AND KOROVKIN TYPE

APPROXIMATION THEOREMS

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Abstract

Here we use the notion of almost convergence and statistical convergence to prove the Korovkin type approximation theorem by using the test functions 1 , e^{-x} , e^{-2x} . We also display interesting examples to show that these results are stronger than those previously proved.

Keywords: Almost convergence; statistical convergence; positive linear operator; Korovkin type approximation theorem.