KOROVKIN TYPE APPROXIMATION THEOREMS IN WEIGHTED SPACES VIA POWER SERIES METHOD

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Abstract. In this paper we consider power series method which is also member of the class of all continuous summability methods. We study a Korovkin type approximation theorem for a sequence of positive linear operators acting from a weighted space $C_{p_1}$ into a weighted space $B_{p_2}$ with the use of the power series method which includes both Abel and Borel methods. We also consider the rates of convergence of these operators.


Keywords and phrases: Power series method, Korovkin type theorem, weighted space, rates of convergence.

REFERENCES


