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APPROXIMATION OF SIGNALS (FUNCTIONS) BELONGING TO THE WEIGHTED W(Lp, _(t)), (p _ 1)-CLASS BY ALMOST MATRIX SUMMABILITY METHOD OF ITS FOURIER SERIES

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Abstract

Qureshi ([8], [9]) and Qureshi and Neha [7] determined the degree of approximation of certain functions by almost N[°]orlund (Np) and almost generalized N[°]orlund (Np, q) - means. Lal [2004] has determined the degree of approximation of a function belonging to weighted W(Lp, _(t)), (p _ 1) -class by almost matrix summability means of its Fourier series using monotonicity on the matrix elements {an,k}. In this paper, we prove the results of Lal [3] and Qureshi [8] by dropping the monotonicity on the matrix elements (an,k) for the functions (signals) f of weighted W(Lp, _(t)), (p _ 1) -class.

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