APPROXIMATION OF FUNCTIONS OF LIPSCHITZ CLASS BY $(N, p_n)(E, 1)$ SUMMABILITY MEANS OF CONJUGATE SERIES OF FOURIER SERIES

VISHNU NARAYAN MISHRA AND VAISHALI SONAVE

Abstract. Analysis of signals or time functions are of great importance, because it convey information or attributes of some phenomenon. In this paper, three theorems on degree of approximation of a signals (or functions) $f \in \text{Lip}(\alpha, r)$ and $\text{Lip}(\xi(t), r)$, $(r \geq 1)$ have been established.

Mathematics subject classification (2010): Primary 42A24; Secondary 41A25, 42B05, 42B08, 40C05.

Keywords and phrases: Trigonometric approximation, conjugate Fourier series, regular $(N, p_n)$ means, $(E, 1)$ means, $(N, p_n)(E, 1)$ summability means and generalized Minkowski’s inequality.

REFERENCES


