Title: Approximation by matrix transform of Vilenkin–Fourier series

Author(s): István Blahota and Károly Nagy

In the present paper, we discuss the rate of the approximation by matrix transform of Vilenkin–Fourier series in L^p spaces ($1 \leq p < \infty$) and in C. Moreover, we give an application for functions in Lipschitz classes $\mathrm{Lip}(\alpha, p, G_m)$ ($\alpha > 0, 1 \leq p < \infty$) and $\mathrm{Lip}(\alpha, C(G_m))$ ($\alpha > 0$).

Address:
István Blahota
Institute of Mathematics
and Computer Sciences
University of Nyíregyháza
P.O.B. 166
H-4400 Nyíregyháza
Hungary

Address:
Károly Nagy
Institute of Mathematics
and Computer Sciences
Eszterházy Károly University
Leányka street 4
H-3300 Eger
Hungary