

Approximation by matrix transform of Vilenkin–Fourier series

By ISTVÁN BLAHOTA (Nyíregyháza) and KÁROLY NAGY (Nyíregyháza)

Abstract. 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 $\text{Lip}(\alpha, p, G_m)$ ($\alpha > 0, 1 \leq p < \infty$) and $\text{Lip}(\alpha, C(G_m))$ ($\alpha > 0$).

ISTVÁN BLAHOTA
INSTITUTE OF MATHEMATICS
AND COMPUTER SCIENCES
UNIVERSITY OF NYÍREGYHÁZA
P.O.B. 166
H-4400 NYÍREGYHÁZA
HUNGARY

KÁROLY NAGY
INSTITUTE OF MATHEMATICS
AND COMPUTER SCIENCES
ESZTERHÁZY KÁROLY UNIVERSITY
LEÁNYKA STREET 4
H-3300 EGER
HUNGARY

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