

Banach J. Math. Anal. 6 (2012), no. 2, 113–131

BANACH JOURNAL OF MATHEMATICAL ANALYSIS ISSN: 1735-8787 (electronic) www.emis.de/journals/BJMA/

APPROXIMATION BY POLYNOMIALS IN REARRANGEMENT INVARIANT QUASI BANACH FUNCTION SPACES

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Communicated by L.-E. Persson

ABSTRACT. In the present work we deal with the approximation properties of certain linear polynomial operators in rearrangement invariant quasi Banach function spaces. We obtain some Jackson type direct theorem and sharp converse theorem of trigonometric approximation with respect to fractional positive order moduli of smoothness in these spaces.

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Date: Received: 12 December 2011; Accepted: 13 April 2012.

2010 Mathematics Subject Classification. Primary 46E30; Secondary 42A10, 41A20.

Key words and phrases. Rearrangement invariant quasi Banach function space, trigonometric approximation, moduli of smoothness, fractional derivative.