

On direct theorems for best polynomial approximation

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Abstract This paper is to obtain similarity for the best approximation degree of functions which are unbounded in $L_{p,\alpha}(A = [0,1])$ which called weighted space by algebraic polynomials $E_n H(f)_{p,\alpha}$ and the best approximation degree in the same space on the interval $[0,2\pi]$ by trigonometric polynomials $E_n T(f)_{p,\alpha}$ of direct wellknown theorems in forms the average modules