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ON THE LOWER BOUND ESTIMATION OF THE BEST APPROXIMATION

Abstract

Using an idea of the exact annihilator of sets of functions the lower bound of the best approximation of multivariable function is established by the set of sums of functions fewer variables in the space by mixed normals L_p, $p = (p_1, ..., p_n)$, where positives p_i, $i = \overline{1,n}$ can be also smaller than unit.