

ON ESTIMATION OF THE BEST
APPROXIMATION BY MEANS OF DIAMETERS

Abstract

The lower estimate of the best approximation of multivariable functions is established by a class of sums of a fewer number of variables functions in the space with the fixed norm $L_{\bar{p}}$, $\bar{p} = (p_1, \dots, p_n)$, $p_i > 0$, $i = \overline{1, n}$.

For this the integral diameters of equivalent families of approximated function are used.