Ismailov, V. E.
On some geometrical conditions for the existence of the best approximating function of the form \( \phi(x) + \psi(y) \). (English) Zbl 1207.41022

Summary: The present paper is devoted to the problem of existence of a best approximating element for approximation of two-variable functions by sums of one-variable functions. New, more simple and practical geometric conditions on the approximation domain ensuring the existence of best approximation of the function \( \phi(x) + \psi(y) \) on spaces of bounded and continuous functions are obtained.

MSC:

41A65 Abstract approximation theory (approximation in normed linear spaces and other abstract spaces)
41A50 Best approximation, Chebyshev systems