Pinkus, A. (IL-TECH); Valnrib, B. [Wajnryb, Bronislaw] (IL-TECH)

On a problem of approximation by means of multidimensional polynomials. (Russian)


In this paper, the authors study the question of density of certain sets in the space of continuous multivariate functions. These sets have the form \( \text{span}\{f(h(\cdot))\} \), where \( f \) is a univariate continuous function, and \( h \) is generated by arbitrary dilations and/or translations of a fixed multivariate polynomial.

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