

VORNICESCU, Neculae, *APPROXIMATION OF FUNCTIONS OF TWO VARIABLES BY DISCRETE LINEAR POSITIVE OPERATORS*

Abstract: We introduce a class of discrete linear positive operators in the space of real continuous functions of two variables defined on the square $[0,1] \times [0,1]$. These operators are associated to an arbitrary set of nodes (x_i, y_j) , $i=0, \dots, m$, $j=0, \dots, n$, and preserve the linear functions.

Keywords: linear positive operators, polynomials