

A QUANTITATIVE ESTIMATION OF AN ASYMPTOTIC REPRESENTATION FOR THE LINEAR POSITIVE OPERATORS OF PROBABILISTIC TYPE

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Abstract: *In this paper we will give a quantitative estimate of an asymptotic representation for the linear positive operators of probabilistic type using the least concave majorant of the first modulus of continuity of the $2k$ -th derivative of a $2k-1$ times continuously differentiable function.*

Key words: *linear positive operators of probabilistic type, least concave majorant of the first modulus of continuity, degree of approximation, Voronovskaja's theorem*

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