

Statistical Convergence for the Approximation of Linear Positive Operators

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Abstract : In this paper, we consider positive linear operators and study the Voronovskaya type result of the operator then obtain an error estimate in terms of the higher order modulus of continuity of the function being approximated and its A-statistical convergence. Also, we compute the corresponding rate of A-statistical convergence for the linear positive operators.

Keywords : Poisson distribution, Voronovskaya, modulus of continuity, a-statistical convergence

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