DIRECT ESTIMATES FOR GUPTA TYPE GENERAL OPERATORS

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Abstract. Gupta in [6] introduced a general family of linear positive operators which produce large number of well known linear positive operators as particular cases. As the family of operators proposed by Gupta provides a unified approach this motivated us to extend the studies, and we establish some convergence estimates of these important operators. We estimate an asymptotic formula and the rate of convergence for these operators for the function having derivatives of bounded variation.


Keywords and phrases: Linear positive operator, bounded variation, asymptotic formula, rate of convergence.

REFERENCES