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On L$_p$-Approximation by a Linear Combination of a New Sequence of Linear Positive Operators

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Abstract: In the present paper, we study some direct results in L$_p$ -approximation by a linear combination of a new sequence of linear positive operators. The error in the approximation is estimated in terms of the higher order integral modulus of smoothness using some properties of the Steklov means.

Key Words: Linear positive operators, Linear combination, Integral modulus of smoothness, Steklov means