

ON CERTAIN GENERALIZED MODIFIED BETA OPERATORS

PRERNA MAHESHWARI SHARMA¹ & SANGEETA GARG²

¹Department of Mathematics, SRM University, NCR Campus, Ghaziabad, Uttar Pradesh, India

²Research Scholar, Mewar University, Chittorgarh, Rajasthan, India

ABSTRACT

In the present paper we study about the Stancu variants of modified Beta operators. We obtain some direct results in simultaneous approximation and asymptotic formula for these operators. We also modify these operators so as to preserve the linear moments, by applying the King's approach.

KEYWORDS: Simultaneous Approximation, Modified Beta Operators, King's Approach, Stancu Type Operators, Asymptotic Formula, Peetre's K-Functional