

ON APPROXIMATION BY PHILLIPS TYPE MODIFIED BERNSTEIN OPERATOR IN A MOBILE INTERVAL

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Abstract. In the present paper we study a Phillips type modified Bernstein operator M_n , where the function is defined in the mobile interval $[0, 1 - \frac{1}{n+1}]$ and obtain its m -th order moment. We establish some direct results in simultaneous approximation for this modified Bernstein operator.

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