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

MINAKSHI DHAMIJA, RYOZI SAKAI AND NAOKANT DEO

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.


Keywords and phrases: Bernstein operator, Phillips operator, Simultaneous approximation, direct results, mobile interval.

REFERENCES