On modified Bleimann, Butzer and Hahn approximation operators

DILEK SÖYLEMEZ

Department of Computer Programming of Elmadag Vocational School,
Ankara University , Ankara
`dsoylemez@ankara.edu.tr`

In this work, we consider sequences of Bleimann, Butzer and Hahn operators which are based on a function τ. This function is a continuously differentiable function on $\mathbb{R}^+$, such that $\tau(0) = 0$, $\inf \tau(x) \geq 1$. We give a Korovkin-type theorem and prove uniform approximation of the generalized Bleimann, Butzer and Hahn operator. We also investigate some monotonicity properties of the operator.