ESTIMATES FOR BERNSTEIN TYPE OPERATORS

ZOLTÁN FINTA

Abstract. We prove the existence of a sequence of linear positive bounded polynomial operators on \( C[0,1] \) which preserve the functions \( e_0(x) = 1 \) and \( e_2(x) = x^2 \). An extremal property and quantitative estimates are given.


Keywords and phrases: Bernstein operators, polynomial bounded positive operators, modulus of continuity, ordered normed spaces.

REFERENCES