Use of Summability Matrices as Operators for Approximation of Functions

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Zamansky in 1959 studied saturation results for functions belonging to class by a sequence of positive linear operators based on the (C,1) mean of their Fourier series. Later on Sunouchi studied a number of related questions. Kuttner and Sahney, and Kuttner, Sahney and Mohapatra have studied saturation results of a sequence of positive linear operators based on a generalized matrix method of summation. In this talk we shall consider the general problem of approximation of functions and will prove some new results for approximation of Hőlder continuous functions using a suitable norm.