

ON THE SPECTRUM OF A CLASS OF A GENERALIZED DIFFERENCE OPERATOR OVER THE SPACE $l_p, (1 < p < \infty)$

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Abstract

The main purpose of this paper is to determine the spectrum of the generalized difference operator Δ_a , over the sequence space $l_p, 1 < p < \infty$. The results of this paper generalize the corresponding results of [1] and [3].