## SOME SPECTRAL PROPERTIES OF A NEW GENERALIZED DIFFERENCE OPERATOR

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## **Abstract**

The main purpose of this paper is to determine the spectrum of a new generalized difference operator, denoted by  $\Delta a$  b, , over the sequence space c0. The norm of the operator  $\Delta a$  b, on the sequence space c0 has been found. The results of this paper generalize the corresponding results of [3], [4] and [7].