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THE BACKWARD OPERATOR OF DOUBLE ALMOST $(\lambda_m\mu_n)$ CONVERGENCE IN χ^2-RIESZ SPACE DEFINED BY A MUSIELAK-ORLICZ FUNCTION

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Abstract: In this paper we introduce the backward operator is ∇ and study the notion of $\nabla-$ statistical convergence and $\nabla-$ statistical Cauchy sequence using by almost $(\lambda_m\mu_n)$ convergence in χ^2-Riesz space and also some inclusion theorems are discussed.

Keywords: Analytic sequence, Museialk-Orlicz function, double sequences, chi sequence,Lambda, Riesz space, strongly, statistical convergent.

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1. Introduction

Throughout w, χ and Λ denote the classes of all, gai and analytic scalar valued single sequences, respectively. We write w^2 for the set of all complex double sequences (x_{mn}), where $m, n \in \mathbb{N}$, the set of positive integers. Then, w^2 is a linear space under the coordinate wise addition and scalar multiplication.