Original Articles

On a Class of Generalized Lacunary Difference Sequence Spaces Defined by Orlicz Functions

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摘要　　In this article we introduce the generalized lacunary

difference sequence spaces $[N_\theta, M, \Delta^m]_0,$

$[N_\theta, M, \Delta^m]_1$ and $[N_\theta, M, \Delta^m]_\infty$

using $m^{th}-$ difference. We study their properties like

completeness, solidness, symmetricity. Also we obtain some

inclusion relations involving the spaces $[N_\theta, M, \Delta^m]_0,$ $[N_\theta, M, \Delta^m]_1$ and $[N_\theta, M, \Delta^m]_\infty$ and the Ces\`aro summable and strongly Ces\`aro

summable sequences.

关键词　　Orlicz function, lacunary sequence, strong convergence, difference sequence space

分类号

Abstract

Key words

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