ORLICZ–QUASI–CAUCHY DOUBLE SEQUENCE SPACES FOR RH–REGULAR MATRIX

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Abstract. In this research paper we pioneer, a new double sequence space called Orlicz-Quasi-Cauchy double sequence space, \((M,A,\Delta)_{OQC}\). We investigate continuity type properties of Orlicz double function defined on a double subset \(A \times A\) of \(R^2\) into \(R\) and study some vital results related to uniform continuity. In the last we also make an attempt to prove some topological properties of \((M,A,\Delta)_{OQC}\).


Keywords and phrases: Orlicz function, difference sequence spaces, RH -regular matrix, uniformity continuity, quasi-Cauchy sequences.

REFERENCES


