

## 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  $(M, A, \Delta)_{OQC}$ .

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