



ON ROUGH STATISTICAL CONVERGENCE OF DOUBLE SEQUENCES OF BICOMPLEX NUMBERS

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Abstract. In this paper we define and study the notion of rough statistical convergence of double sequences of bicomplex numbers, the set of rough statistical limits of a double sequence of bicomplex number. Moreover we study the relation between the set of statistical cluster points and the set of rough limit points of a double sequence of bicomplex numbers. Then we investigate the dependence of statistical r -limit $st_2-LIM_{\mathbb{BC}}^r \xi$ of a fixed double sequence of bicomplex numbers. Eventually we introduce the notion of rough statistical Cauchy double sequence of bicomplex numbers.

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