

ASYMPTOTICALLY I_2 -CESÀRO EQUIVALENCE OF DOUBLE SEQUENCES OF SETS

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Abstract: In this paper, we defined concepts of asymptotically I_2 -Cesaro equivalence and investigate the relationships between the concepts of asymptotically strongly I_2 -Cesaro equivalence, asymptotically strongly I_2 -lacunary equivalence, asymptotically p-strongly I_2 -Cesaro equivalence and asymptotically I_2 -statistical equivalence of double sequences of sets.

Keywords: Asymptotically equivalence, Cesaro summability, lacunary sequence, statistical convergence, I-convergence, double sequences of sets, Wijsman convergence.

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