

CHARACTERIZATION OF A -STATISTICAL CONVERGENCE WITH SPEED

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In [3] Kolk introduced the concept of A -statistical convergence for a non-negative regular matrix A and studied matrix transforms of A -statistically convergent sequences. We introduce the notion of A -statistical convergence with speed. Defining the speed of A -statistical convergence we use the notion of convergence of sequences with speed (where the speed was defined by a monotonically increasing positive sequence λ), introduced by Kangro in [2]. Also we investigate the matrix transforms of A -statistically convergent sequences with speed. Let X, Y be sequence spaces. We study the matrix transforms from $st_A^\lambda \cap X \rightarrow Y$, where st_A^λ is the set of all A -statistically convergent sequences with speed λ . We show that for the case if λ is bounded, from our results follow some results of Kolk [3].

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REFERENCES

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