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\mathcal{I}_λ -statistically convergent sequences in topological groups

Let $\lambda = (\lambda_n)$ be a non-decreasing sequence of positive numbers tending to ∞ such that

$$\lambda_{n+1} \leq \lambda_n + 1, \lambda_1 = 1.$$

The collection of such sequence λ will be denoted by Δ .

In [1], P. Kostyrko et al. introduced the concept of \mathcal{I} -convergence of sequences in a metric space and studied some properties of such convergence. Note that \mathcal{I} -convergence is an interesting generalization of statistical convergence.

The purpose of this paper is to study \mathcal{I}_λ - statistical convergence of sequences in topological groups and to give some important inclusion theorems.

References

- [1] P. Kostyrko, T. Šalát, W. Wilczyński, \mathcal{I} -convergence, *Real Anal. Exchange*, **26** (2) (2000/2001), 669-685.