ON WIJSMAN $I-$ LACUNARY STATISTICAL CONVERGENCE OF ORDER α OF SEQUENCES

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Abstract

In this talk, we introduce the concepts of Wijsman $I-$lacunary statistical convergence of order α, Wijsman $I-$statistical convergence of order α and Wijsman strongly $I-$lacunary statistical convergence of order α of sequences of sets and investigated between their relationship.

References

[1] Çolak, R. Statistical convergence of order α, Modern Methods in Analysis and Its Applications, New Delhi, India: Anamaya Pub, 2010: 121–129.

[2] Et, M. ; Altınok, H. and Altın, Y. On generalized statistical convergence of order α of difference sequences, J. Funct. Spaces Appl. 2013, Art. ID 370271, 7 pp.

[3] Çolak, R. and Bektaş Ç. A. $\lambda-$statistical convergence of order α, Acta Mathematica Scientia 31(3) (2011) , 953-959.

[4] Savas, Ekrem; Das, Pratulananda. A generalized statistical convergence via ideals, Appl. Math. Lett. 24 (2011), no. 6, 826–830.

[5] Šalát, T. On statistically convergent sequences of real numbers, Math. Slovaca 30 (1980), 139-150.

[6] Schoenberg, I. J. The integrability of certain functions and related summability methods, Amer. Math. Monthly 66 (1959), 361-375.

[7] Et, M. Strongly almost summable difference sequences of order m defined by a modulus, Studia Sci. Math. Hungar. 40(4) (2003), 463–476.

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