

Lacunary Statistical Convergence of Double Sequences in Fuzzy Normed Spaces

Muhammed Recai TÜRKMEN¹, Erdinç DÜNDAR² and Uğur ULUSU²

*¹Department of Mathematics and Science Education, Faculty of Education,
Afyon Kocatepe University, Afyonkarahisar-TURKEY*

*²Department of Mathematics, Faculty of Science and Literature,
Afyon Kocatepe University, Afyonkarahisar-TURKEY*

mrtmath@gmail.com

edundar@aku.edu.tr

ulusu@aku.edu.tr

ABSTRACT

In this paper, we introduce the concepts of lacunary summable, lacunary statistically convergence and lacunary statistically Cauchy sequence for double sequences in fuzzy normed spaces. Also, we investigate some properties and relationships between these concepts.

ACKNOWLEDGEMENT

This work was supported by BAP (The Scientific Research Projects Coordination Unit).