**Some Questions of Harmonic Analysis in Weighted Morrey Type Spaces**

Yusuf Zeren1 and Fatih Sirin2

*1Department of Mathematics, Yildiz Technical University,*

yzeren@yildiz.edu.tr

*2Istanbul Aydin University*

fatihsirin@aydin.edu.tr

**Abstract**

Weighted Morrey-type classes of functions that are harmonic in the unit disk and in the upper half plane are defined in this work. Under some conditions on the weight function, we study some properties of functions belonging to these classes.

Keywords: Morrey-type classes, harmonic functionsStatistical Convergence, λ- statistical convergence, Cintuitionistic fuzzy 2-normed space.

References:

1. V. Kokilashvili and A. Meskhi, Boundedness of maximal and singular operators in Morrey spaces with variable exponent, Govern. College Univ. Lahore 72 (2008) 1–11.
2. N. Samko, Weight Hardy and singular operators in Morrey spaces, J. Math. Anal. Appl. 35(1) (2009) 183–188.
3. Bilalov B.T., Quliyeva A.A. On basicity of exponential systems in Morrey-type spaces. International Journal of Mathematics. Vol. 25, No. 6 (2014) 1450054 (10 pages).
4. Guliyev, V. S., Hasanov, J. J., & Zeren, Y. (2011). Necessary And Sufficient Conditions for The Boundedness of The Riesz Potential In Modified Morrey Spaces. Journal of Mathematical Inequalities, 5(4), 491-506.