Abstract

The concept of unidominating function and total unidominating functions are introduced in [5] and [6] respectively. Minimal unidominating function and upper unidomination number are introduced in [7] and minimal total unidominating function and upper total unidomination number are introduced in [8]. The unidomination number and total unidomination number of a 3-regularized wheel are obtained in [9], [10]. In this paper the authors study the minimal unidominating functions, minimal total unidominating functions of a 3-regularized wheel and determined its upper unidomination number, upper total unidomination number. Further the number of minimal unidominating functions, minimal total unidominating functions with maximum weight are found.

References

10. V. Anantha Lakshmi, B. Maheswari - Total Unidominating Functions and Total Unidomination Number of a 3-Regularized Wheel: International Journal of Current Engineering and Scientific Research (IJCESR) Volume 5, Issue 4, April, 2018, pp-82-85

**Index Terms**

Computer Science                  Applied Mathematics

**Keywords**

Wheel, 3-regularized wheel, minimal unidominating function, minimal total unidominating function, upper unidomination number, upper total unidomination number.