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


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**Index Terms**

Computer Science

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**Keywords**

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