JMA-710

Radio Mean Labeling of Arrow Graph and its related graphs

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ABSTRACT

A labeling is assigning non – negative numbers to the vertices and edges. Radio Mean labeling of a connected graph I is a one – to – one mapping $g: V(I) \rightarrow N$ such that for any vertices p and q of graph I, $d(p,q) + \lceil f(p) + f(q)/2 \rceil \geq 1 + diam(I)$. In the present research, we have investigated the labeling, which applied in the field of networking, optimization and many more. We have also found the Radio Mean Number of the function $'g'$ obtained from the graph I. The above-mentioned concepts are of great significance for their application in computer science and related fields.

Keywords: Diameter of graph, Radio Mean Labeling, Radio Mean Number of Graph

How to Cite

V. Rathi and S. Srivastav, "Radio Mean Labeling of Arrow Graph and its related graphs", *AIJR Abstracts*, pp. 6–6, Feb. 2024.

DOI: 10.21467/abstracts.165 ISBN: 978-81-965621-7-5 (eBook), 978-81-965621-4-4 (Paperback)