

ON RADIO HERONIAN MEAN D-DISTANCE NUMBER OF CYCLE RELATED GRAPHS

K. JOHNBOSCO¹ & DINESH M²

¹Assistant Professor, Department of Maths, St. Jude's College, Thoothoor, Tamilnadu, India

²Research Scholar, Department of Mathematics, St. Jude's College, Thoothoor, Tamilnadu, India

ABSTRACT

A Radio Heronian Mean D-distance Labeling of an associated graph is a one-to-one $h:V(D) \rightarrow G \ni$ two distinct vertices u and v of G , $d^D(u,v) + \left\lceil \frac{f(u) + \sqrt{f(u)f(v)} + f(v)}{3} \right\rceil \geq \text{diam}^D(G) + 1$ where $d^D(u,v)$ means D-distance among u and v and $\text{diam}^D(G)$ means D-diameter of G . The $\text{rhmn}^D(f)$ is the max $\{G\}$ and $\text{rhmn}^D(G)$ is the min $\{\text{rhmn}^D(f)\}$ assumed control over all radio heronian D-distance marking $f(G)$.

KEYWORDS: Radio Heronian D-Distance Number of a Cycle, Wheel, Gear, Helm and Friendship Graph

Received: Feb 03, 2021; **Accepted:** Feb 23, 2021; **Published:** Mar 22, 2021; **Paper Id.:** IJMCARJUN20214