Abstract

A star coloring of a graph G is a proper vertex coloring (no two adjacent vertices of G have the same color) such that every path of G on four vertices, is not bicolored. The minimum number of colors needed to star color G is called as star chromatic number and is denoted by $XS(G)$. In this paper, we give the exact value of star chromatic number of middle, central and total graph of wheel graph families $W_n$. 

References

- M. Venkatachalam , Vivin J. Vernold and Ali M. M. Akbar,&apos;A Note on achromatic coloring of star graph families&amp;apos;23,3, 251-255(2009)
Index Terms

Computer Science  Applied Mathematics

Keywords

Star Coloring  Star Chromatic Number  Middle Graph  Central Graph And Total Graph