Abstract

A path in an edge colored graph is said to be a rainbow path if no two edges on the path have the same color. An edge colored graph is rainbow connected if there exists a rainbow path between every pair of vertices. The rainbow connectivity of a graph $G$, denoted by $rc(G)$ is the smallest number of colors required to edge color the graph such that the graph is rainbow connected. In this paper a rainbow coloring of the corona of $P_n \square K_2$, the corona of $P_n \circ C_4$, flower graphs and fan graph are considered and $rc(G)$ of these graphs are decided.

References

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Index Terms

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Keywords

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