Abstract

The sum cordial labeling is a variant of cordial labeling. Here a variant of 3-total sum cordial labeling was introduced and name it as 3-total edge sum cordial labeling unlike in 3-total sum cordial labeling the roles of vertices and edges are interchanged. Here in this paper path graph, cycle graph and complete bipartite graph $k_1, n$ are investigated on this newly defined concept.

References

5. Tenguria Abha and Verma Rinku, "3-Total super sum cordial labeling for some graphs"

**Index Terms**

Computer Science  
Applied Mathematics

**Keywords**

Cordial labeling, Edge sum cordial labeling, 3-Total edge sum cordial labeling, 3-Total edge sum cordial graphs