Abstract

In this paper we introduce and study permutation graphs of permutation groups. Basic, structural and specific properties of these graphs are investigated and characterized. Further, we obtain formulae for enumerating total number of shortest and longest cycles of permutation graphs.

References

5. Chalapathi, T., Madhavi, L and Venkataramana, S. 2013, Enumeration of Traingles in a

Index Terms

Computer Science
Applied Mathematics

Keywords

Permutation groups, Even and odd permutation graphs, Triangles, Hamilton cycles, Disjoint
Hamilton cycles.