Abstract

Vn-Arithmetic graph has been introduced by Vasumathi and Vangipuram [9]. In this paper some properties of Vn-Arithmetic graph, maximum degree, minimum degree, number of edges, diameter, radius, Hamiltonian and Eulerian are studied. Also, we introduce m-Arithmetical graphs. Some properties and interesting results for m-Arithmetical graphs are established.

References

1. F. Harary, Graph theory, Addison-Wesley, Reading Mass (1969).
21, June 2014.


Index Terms

Computer Science

Algorithms

Keywords

Vn-Arithmetic graph, m-Arithmetic graph