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).
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**Index Terms**

- Computer Science
- Algorithms

**Keywords**

- Vn-Arithmetic graph, m-Arithmetic graph