Abstract

E. Sampathkumar [5] generalized the concept of graphs to semigraphs and that of digraphs to disemigraphs. Looking for an analogue of tree for the semigraph he introduced the concept of dendroid and tree, and also developed some of its significant characterizations. Analogous to his study of dendroids and trees in semigraphs, an attempt has been made to develop the concept of trees in disemigraph setting and derive some characterizations thereof. These results are primarily aimed at introducing the structural behaviour of the theory of disemigraphs.

References

12. Narsingh Deo, Graph Theory with Applications to Engineering and Computer Science, New Delhi, 2009.

Index Terms

Computer Science Information Sciences

Keywords

Semigraph, disemigraph, dendroid, tree.