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An Overview of application of Graph theory

A.Prathik[1], K.Uma[2], J.Anuradha[3]

[1]School of Information Technology and Engineering, VIT University, Vellore-632014, Tamil Nadu, India.
[2]Applied Analysis Division, School of Advanced Sciences, VIT University, Vellore-632014, Tamil Nadu, India.
[3]School of Computing Sciences and Engineering,VIT University, Vellore-632014, Tamil Nadu, India.

Abstract: Graph theory is growing area as it is applied to areas of mathematics, science and technology. It is being actively used in fields of biochemistry, chemistry, communication networks and coding theory, computer science(algorithms and computaion) and operations research (scheduling) and also used in many application like coding theory, x-ray crystallography, radar, astronomy, circuit design, communication network addressing, data base management. This paper gives an overview of the applications of graph theory in heterogeneous fields to some extent, but mainly focuses on the computer science applications and chemistry that uses graph theoretical concepts. Various papers based on graph theory have been studied related to scheduling concepts, computer science applications and an overview has been presented here.
Keywords: Graphs, network, application of graphs, graph algorithms, bipartite graph, Chemistry.

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