

FUTURE PROSPECTS IN COMMUNITY DETECTION

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ABSTRACT

In recent years Internet usage has increased. People of all age group use Internet and this has led to the invention of a new research field called complex networks. Complex networks such as social networks, biological networks, technological networks etc have become the interest of many researchers because of their wide range of applications. These complex networks have many properties like scale free networks, transitivity etc but the most important property is the presence of community structure in these networks. In this paper we have studied the various properties of complex networks giving more emphasis to community structure. In this paper we tried to collect all the information related to community detection and also provided future work directions in this area.

KEYWORDS: Communities, Clusters, Graph Theory, Complex Networks, Community Detection