Social Network Analysis Based on Network Motifs

Yan Han-Bing, Tang Xu-Qing, Zhuping* School of Science, Jiangnan University, Wuxi 214122, China e-mail: zhuping@jiangnan.edu.cn

In combination with the method of social network analysis, a set of network analysis methods is established based on the theory and methods of frequent subgraph mining, network motifs, at el, which is different from the traditional social network analysis. It can be used to analyze the properties of social network and judge the roles of the nodes effectively.

Keywords: Social Network; frequent subgraph; random network model; network motifs