

ABSTRACT

Web graph that have increasing data make the graph more difficult for identified the structure and the information. For identify the structure and information need some method for summarize large graph into smaller subgraph. VoG method can used for summarize the large graph and identify the subgraph structure. In subgraph identification process, number of maximum node in GCC affect the generated subgraph. More number of maximum node in GCC generate less of subgraph with clique and star structure, but generate more subgraph with chain structure. The number of maximum node in GCC also affect on execution time of VoG. More number of maximum node in GCC faster execution time of VoG. From generated and identified subgraph structure, information that can obtainer is clique subgraph represent there is a user network that poll on a question link, star subgraph represent there is one user contribute an answer on some question link on quora.com.

Keywords: web graph, GCC, VoG, subgraph, structure, information