Abstract

The general search engines represent various results in their lists, which is very time consuming to check. One way to limit the search engine results is to use ranking pages algorithm in web. One of the most important ranking algorithms of web pages in the internet is known as "PageRank", which works on the web-graph structure. In this article, an extended version of the "PageRank" algorithm taking into consideration the degree of user interest in web pages and the ant colony algorithm is presented. Simulation results indicate that in the recommended algorithm ranks are closer to the real data; they produce more distinguished ranks, and have a less amount of errors.

References

Presentation of an Extended Version of the PageRank Algorithm to Rank Web Pages Inspired by Ant Colony Algorithm


Index Terms

Computer Science
Algorithms
Keywords
Web mining  Ranking  PageRank  Ant Colony