

Multi-Objective Search for Web Search Optimization

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Abstract

The aim of crucial problems in web search is to make a multi-objective search then to select the most pertinent document found. Indeed, we note that the query seeking one or more events taking place on a given date or a period, does not provide the expected results. To come up this problem, we propose a new Web search method based on a multi-objective search. The idea is to introduce "more semantics" in order to obtain as most as possible relevant results, and to help internet user making decision about the choice of the pertinent documents.

We suggest a method that reformulates the query for a best contextual and temporal search and decides about the pertinence of documents instead of the Net surfer. This method is validated by the WebSORT system to improve the effectiveness and the precision of the search for event information on the Web and to help user in decision making.

Key Words: Web search optimization, Multi-Objective search, Temporal information search