عنوان مقاله:
biogeography based optimization algorithmfor automatic Extractive Text Summarization

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خلاصه مقاله:
Given the increasing number of documents, sites, online sources, and the users' desire to quickly access information, automatic textual summarization has caught the attention of many researchers in this field. Researchers have presented different methods for text summarization as well as a useful summary of those texts including relevant document sentences. This study selects extractive method out of different summarizing methods (e.g. abstract method). Extractive method involves summarizing text through objective extraction of some parts of a text like word, sentence, and paragraph. A summarization issue would be unsolvable by exact methods in a reasonable time with considering documents with high amount of information (NP complete). These kinds of issues are usually solved using metaheuristic methods. A biogeography - based optimization algorithm (BBO), which is a new metaheuristic method in the domain of extractive text summarization is used in this article. This method is tested on a set of Doc's standard documents in 2002 and is analyzed, using ROUGE software. The obtained results of these tests show that this kind of method can be used as an effective method for text summarization

کلمات کلیدی:
Text Summarization, BBO, Extractive Method, Online Sources, NP complete

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