

# A fast template-based approach to automatically identify primary text content of a web page

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**Abstract:** Search engines have become an indispensable tool for browsing information on the Internet. The user, however, is often annoyed by redundant results from irrelevant web pages. One reason is because search engines also look at non-informative blocks of web pages such as advertisement, navigation links, etc. In this paper, we propose a fast algorithm called FastContentExtractor to automatically detect main content blocks in a web page by improving the ContentExtractor algorithm. By automatically identifying and storing templates representing the structure of content blocks in a website, content blocks of a new web page from the website can be extracted quickly. The hierarchical order of the output blocks is also maintained which guarantees that the extracted content blocks are in the same order as the original ones. ?? 2009 IEEE.

**Author Keywords:** Data mining; Template detection; Web mining

**Index Keywords:** Fast algorithms; Hierarchical order; Indispensable tools; Template detection; Template-based; Text content; Web Mining; Web page; Information retrieval; Knowledge engineering; Search engines; Systems engineering; Websites

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