

以本體論及語意分析為基礎的二階段藝文資訊整合技術

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摘要

In recent years, the living standard of human is making a big progress, with its following increased demand for “Culture and Arts” which has strongly highlighted the importance of the information on “Culture and Arts” for those people who doing this activities. This study used ontology, web mining and Semantic analysis technique as a basic approach, and proposed a two-phase arts information integration system (AIIS). The first phase of AIIS system is that it automatically gathering the needed arts information and integrating them to the same format inside a framework by agent technique. The second phase of AIIS system is using semantic analysis technique to refine and extract the useful information from those non-structuration arts information taken from the first phase. The results indicate that our AIIS system could reach up to 100% in gathering available arts information. And the result from the second phase shows that our AIIS system not only provide abundant in art activity information more than other websites but also can provide the updating newest arts activity information for searching.

關鍵字：Web Mining, Ontology, Semantic Analysis, Information Integration, Agent