

A STUDY OF ALGORITHM ON QUERY DECOMPOSITION IN MULTIDATABASE SYSTEMS

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ABSTRACT

In multidatabase systems, users can simultaneously access distributed, heterogeneous, and autonomous databases using an integrated schema and a single global query language. Query decomposition processing is a key problem in multidatabase systems. This paper describes an approach of schema information management in multidatabase systems. Based on the schema information, an easy-implemented algorithm of query decomposition is presented. Since multidatabase query decomposition processing is very much dependent on the way schema integration is realized, the schema integration in Panorama, a multidatabase system we are developing, is also discussed.

KEYWORDS

Multidatabase Systems (MDBS), Query Decomposition, Schema Information Management, Schema Integration