AN APPROACH OF QUERY PROCESSING IN
MULTIDATABASE SYSTEMS

Lu Zhengding  Li Ruixuan  Xiao Weijun  Yang Yuping
(College of Computer Science & Technology, Huazhong University of Science & Technology, Wuhan 430074, China)
(email: rxli@163.net)

ABSTRACT

In multidatabase systems, users can simultaneously access distributed, heterogeneous, and autonomous databases using an integrated schema and a single global query language. Query processing is a key problem in multidatabase systems. This paper describe a global query processing schema in multidatabase systems. For this schema, a algorithm of query decomposition is presented. The classification of schema conflict in multidatabase systems is also introduced. Since multidatabase query processing is very much dependent on the way schema integration is realized, the schema integration in MDBT, a multidatabase transaction model we are developing, is also discussed.

KEYWORD
Multidatabase Systems (MDBS), Query Decomposition, Query Processing, Schema Integration