

In order to achieve efficient evaluation of SQL queries, database systems provide its users with set of integrated index access methods. When a new access method is required for various reasons, one of the possibilities to implement such method in a relational DBMS is the way of exploiting relational tables of given database system. This approach does not involve any internal changes of database system kernel and thus it is available to all developers even when the target DBMS is not distributed as an open source. In the terms of extensible database architecture, only the availability to extend existing DBMS with a new data type is required. In this work, UB-Tree index has been integrated into Oracle DBMS in such way. Index related tables have been designed in two different ways and four alternatives to evaluate relevant queries have been proposed and studied. Finally, several experiments have been done to compare performance of an access method implemented via the relational approach and a native kernel integration of the same method.