JOIN SIGNATURE

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Abstract

Multikey indexing can be performed by using the signature technique for flexible searching in the area of database. In this paper, a new signature technique called the Join Signature file is presented for supporting query processing of aggregation hierarchy as a path in object-oriented databases. The retrieval performance when compared with the forward and reverse traversal technique is discussed and the cost models in terms of the storage cost and the retrieval cost are then formulated using the structure explained in the research. This research shows that the retrieval cost of the Join Signature is much lower than those of the forward traversal and reverse traversal technique.

Key words: Join Signature File, Retrieval and Searching, Object-oriented database**.**