QUERY PROCESSING IN A MULTIMEDIA DOCUMENT SYSTEM

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ABSTRACT

In this paper we describe query processing in a multimedia document system. Multimedia documents are information objects containing formatted data, text, image, graphics, and voice. The query language is first described. It is based on a multimedia conceptual document model that allows the users to formulate queries on both document content and structure. Then we present the physical storage organization. In our environment both optical and magnetic devices can coexist. Query processing is then described in detail. We present the cost formulae that are used in query optimization and we describe the various steps in query processing. Finally the problem of query optimization is discussed.