AN OBJECT ORIENTED QUERY-LANGAGE FOR IMAGES

Mohamed EL ANSARI and Liming CHEN
Laboratoire HEUDIASYC ara cnrs 817
Centre de recherche de Royalieu
Université de technologie de Compiègne
P.B. 649 - 60200 Compiègne Cedex
tél : (33) 44 23 44 85 - fax : (33) 44 20 48 13
e-mail : lchen@hds.univ-compiegne.fr

Abstract :

As databases applications become more and more diversified, the capabilities of the current commercial database management systems developed on the basis of handling formatted data become less and less satisfactory. We are interested in image databases. We propose a query langage for image databases. The image data (bitmap or graphics) are organized in hierarchie of inheritance. Operators on image are identified and associated with differents classes of image. The query langage is an object oriented SQL. It uses classes and methods defined in the hierarchie of inheritance. The langage combined with the hierarchie of inheritance provide a powerful environement for any kind of image application.