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Image Retrieval by Specifying Key Objects

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This paper describes a image retrieval system by specifying key objects without cutting out objects from a picture. And compared to color-histogram.

A general method cuts out objects from a picture, when registering a picture into a database. The system calculates the feature of objects. And the picture from which the object was cut out is registered. By the objects cut out from the picture, a system can perform exact retrieval.

However, perfect registration of the object which is needed for retrieval is impossible. Generally, it is difficult to cut out objects from a picture.

The system of this research does not cut out an object from a picture. This system searches a partial picture using all the features of a picture. This system searches a partial picture using higher order local autocorrelation.

Compared with a color-histogram, this system has the somewhat good results of retrieval.