Abstract

Over the years passed has witnessed great interest in research on content-based image retrieval. This has paved the way for a large number of new techniques and systems, and a growing interest in associated fields to support such systems. Similarly, digital image retrieval has expanded in many directions that are resulting into explosion in the volume of image data required to be organized. This paper presents a framework for image retrieval based on chain code and auto regression that helps to achieve higher retrieval efficiency. In this paper, we discuss about the key contributions of the methodology that is followed while performing experiment for image retrieval based on chain code and auto regression. Here comparative study of results and also efficiency of both these image retrieval techniques are discussed which are obtained while experimentation.

References

1. Utpal Garain, Thierry Paquet ,“Off-Line Multi-Script Writer Identification using AR
Image Retrieval using Chain code and Autoregression

2. A. Bandera, C. Urdiales, F. Arrebola, F. Sandoval, “2D object recognition based on curvature functions obtained from local histograms of the contour chain code”, Pattern Recognition Letters (49±55),1999.

Index Terms

Computer Science

Image Processing

Keywords

Auto-regression, Chain code, Image retrieval