Abstract

As the network and development of multimedia technologies are becoming more popular, users are not satisfied with the traditional information retrieval techniques. So nowadays the content based image retrieval are becoming a source of exact and fast retrieval. In this paper the techniques of content based image retrieval are discussed, analysed and compared. It also introduced the feature like neuro fuzzy technique, color histogram, texture and edge density for accurate and effective Content Based Image Retrieval System.

Reference

- Yong Rui, Thomas S. Huang and Sharad Mehrotra “Relevance Feedback Techniques in
Interactive content based image retrieval ..".1996
- Chad Carson, Serge Belongie, Hay it Greenspan, and Jitendra Malik, “Region Based Image Querying," this work is supported by an NSF digital library grant (IRI 94-11334) 1997 IEEE.
- Mircea Ionescu, Anca Ralescu “fuzzy hamming distance in a content based image retrieval System”.
- Arnold W.M. Smeulders, Marcel Woring, Simone Santini, Amarnath Gupta, and Ramesh Jain, “Content based image retrieval at the end of the early years."
- Stefano Berrettii, Alberto Del Bimbo, and Pietro Pala, “Retrieval by Shape Similarity with Perceptual Distance and Effective Indexing”
- Constantin Vertan, Nozha Boujemaa “Embedding Fuzzy Logic in Content Based Image Retrieval” 2001
- Ju Han and Kai-Kuang Ma, IEEE “Fuzzy Color Histogram and Its Use in Color Image Retrieval"
- Minakshi Banerjee 1, Malay K. Kundu “Edge based features for content based image retrieval” 0031-3203/2003
- Minakshi Banerjee and Malay K. Kundu “Content Based Image Retrieval with Fuzzy Geometrical Features” 2003 IEEE.
- DeokHwan Kim, ChinWan Chung “Qcluster: Relevance Feedback Using Adaptive Clustering for ContentBased Image Retrieval” SIGMOD 2003
- Sagarmay Deb Yanchun Zhang “An Overview of Content-based Image Retrieval Techniques” 2004 IEEE.
- Rouhollah Rahmani, Sally A. Goldman, Hui Zhang, John Krettek, and Jason E. Fritts “Localized Content Based Image Retrieval” MIR’05,
- Ying Liua, Dengsheng Zhangha, Guojun Luat,Wei-Ying Mab “A survey of content-based image retrieval with high-level semantics” 2006
- Giorgio Giacinto “A Nearest-Neighbor Approach to Relevance Feedback in Content Based Image Retrieval”
- S. Nandagopalan, Dr. B. S. Adiga, and N. Deepak “A Universal Model for Content-Based
A Survey On: “Content Based Image Retrieval Systems”

Image Retrieval” DECEMBER 2008.
- Kambiz Jarrah, Ling Guan “Content-Based Image Retrieval via Distributed Databases” CIVR’08, July 7-9, 2008, Niagara Falls, Ontario, Canada. 2008 ACM.
- Zhi-Gang Fan, Jilin Li, Bo Wu, and Yadong Wu “Local Patterns Constrained Image Histograms for Image Retrieval” ICIP 2008 IEEE.
- ZhiYong Zeng, ZhiQiang Yao, ShiGang Liu, “An Efficient and effective Image Representation for Region-Based Image Retrieval” ICIS 2009, November
- Qifeng Qiao, Peter A. Beling, “Localized Content Based Image Retrieval with Self-taught Multiple Instance Learning” 2009 IEEE
- Sancho C Sebastine Bhavani Thuraisingham Balakrishnan Prabhakaran, “Semantic Web for Content Based Video Retrieval” 2009

Index Terms

Computer Science Pattern Recognition

Key words

Content Based Image Retrieval

Neuro Fuzzy

Color Histogram

Texture

Edge Density