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Various Image Retrival Methods A Surveyof Literature

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Abstract— In this paper, we discuss about the various content based imageretrival types with examples. In particular we discuss about VARIOUS RETRIAL METHODS.Many papers are taken for the survey its advantages and disadvantages are discussed

Keywords— Bit pattern feature, color co-occurrence feature,content-based image retrieval

I. INTRODUCTION

A significant amount of research efforts have been devoted in addressing the Content Based Image Retrieval (CBIR) problem [11]–[22], [26]–[71]. An image retrieval system returns a set of images from a collection of images in the database to meet users' demand with similarity evaluations such as image content similarity, edge pattern similarity colorsimilarity etc. [1]An image retrieval system offers an efficient way to access, browse, and retrieve a set of similar images in the real-time applications. Several approaches have been developed to capture the information of image contents by directly computing the image features from an image as reported in [15]–[20]. In [21], the image feature is simply constructed in DCT domain

The CBIR system which extracts an image feature descriptor from the compressed data stream has become an important issue. Since most of the images are recorded in the storage device in compressed format for reducing the storage space requirement. In this scenario, the feature extractor simply generates an image feature for the CBIR task from compressed data stream without performing the decoding (decompression) process.

This study based on morphological or set theory which is well in shape detection. Principal Component Analysis (PCA) is used for preprocessing, in which the removal of redundant and unwanted data is done. Applications such as Median Filtering and Adaptive thresholding are used for handling the variations in lighting and noise. Features are extracted using Encoding and Quantization. Finally matching is performed . The proposed method is better than the previous method and is proved by the results of different parameters

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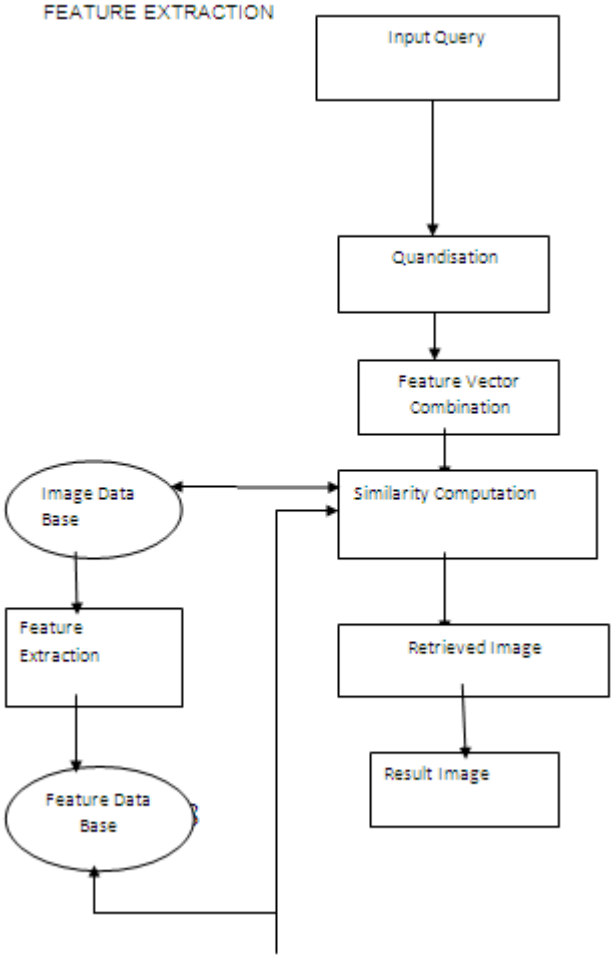
FIG 1.1

FEATURE EXTRACTION



II. VARIOUS IMAGE RETRIVAL METHODS

TABLE 1: ANALYSIS OF IMAGE RETRIVAL METHODS

S.NO	TITLE	DESCRIPTION
1	Image compression using block truncation coding[2]	Images are an important part of today's digital world. However, due to the large quantity of data isneeded to represent modern imagery; the storage of such data can be expensive. Thus, the work on

		efficient imagestorage (image compression) has the potential to reduce storage costs and enable new applications.
2	BTC image coding using vector quantization[3]	Block Truncation Coding (BTC) for image compression is a simple and effective coding technique which processes non-overlapping sub-image blocks of an image independently. In its original form,
3	BTC-VQ-DCT hybrid coding of digital Images[4]	Block Truncation Coding (BTC) is a simple and fast image compression algorithm which achieves constant bit rate of2.0 bits per pixel. The method is however suboptimal.
4	Hybrid block truncation coding[5]	This comparison paper scrutinizes image compression using Block Truncation Coding. Many algorithms were selected likely the original Block Truncation coding, Absolute Moment Block Truncation Coding
5	Colourimage indexing using BTC[6]	The new technique for image retrieval using the colour features extracted from images based on Log- Histogram is proposed. The proposed technique is compared with Global colour histogram and histogram of corners
6	Colour image retrieval using pattern co-occurrence matrices based on BTC and VQ[7]	In this research paper Block Truncation Coding (BTC) algorithm is used for image compression. BTC algorithm is a type of lossy image compression techniques for images. It divides the original images into blocks and then uses a quantize to reduce the number of grey level in each block while maintaining the same mean and standard deviation
7	Image retrieval using BDIP and BVLC moments[8]	Image Retrieval is a field of study concerned with searching and retrieving images from a collection of database. Face image retrieval is still a challenging task since face images can vary noticeably in terms of facial expressions, lighting conditions
8	Enhanced local texture feature sets for face recognition under difficult lighting conditions[9]	Robust face recognition system in uncontrolled environment is still a major challenge. Finding efficient facial featuresto represent the face appearance is the most critical aspect in face recognition.
9	Some simple effective approximations to the 2-Poisson model for probabilistic weighted retrieval[10]	The 2-Poisson model for term frequencies is used to suggest ways of incorporating certain variables in probabilistic models for information retrieval. The variables concerned are within-document term frequency, document length, and within-query term frequency.
10	Image retrieval based on micro-structure descriptor[11]	In computer vision, measurement of image properties such as colour or texture is essential. In this paper, we propose a

		solid framework for the local measurement of texture in colour images

III. CONCLUSION

In this study, an image retrieval system is presented byexploiting the ODBTC encoded data stream to constructthe image features, namely Color Co-occurrence and BitPattern features.

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