

An Image Retrieval System by Integrating Multiple Searching Approachs

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ABSTRACT

The extant image retrieval systems mostly are set at the specific image databases, then extraction suitable features, retrieves the similar images in the image databases. However, the same searching approach not necessarily suits other image databases. For example, it is different to use the color features for retrieval in the gray image database and the color image database. And using the shape features searching approach, is suitable for the object existence also with the background distinct image database. Sometimes, the user hoped retrieves the related images by the image content description. Therefore, our research respectively by the color features, the shape features and the user inputs content description, constructs the different image searching approaches. At the same time, using analyzes the image databases by clustering effect which in the color and the shape features, when the retrieval gives each group different weight, designs a set to be suitable for each kind of different image database retrieval system.

Keywords : image retrieval system, feature, content description, image database

Table of Contents

中文摘要	iii	英文摘要	iv	誌謝辭	v	內容目錄	vi
表目錄	vi	圖目錄	viii	第一章 緒論	ix		
1 第一節 研究背景與動機	1	2 第二節 研究目的與方法	2	3 第三節 論文架構	3		
3 第二章 文獻探討	3	4 第一節 影像說明文字檢索	4	5 第二節 影像特徵值檢索	5		
5 第三節 影像檢索的查詢介面	5	7 第四節 群集分析方法	7	9 第五節 現有影像內容檢索系統	9		
14 第三章 建構影像檢索系統	14	20 第一節 顏色特徵搜尋方法	20	20 第二節 形狀特徵搜尋方法	20		
25 第三節 內容特性搜尋方法	25	31 第四節 權重設定	31	35 第四章 影像檢索方法	35		
39 第一節 檢索介面設計	39	39 第二節 檢索步驟	39	40 第三節 相似度計算	40		
42 第五章 實驗結果與分析	42	43 第一節 檢索效能分析	43	43 第二節 實驗結果	43		
44 第六章 結論	44	49 參考文獻	49	50			

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