



题目： 跨媒体计算与检索

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原理概述

随着web 2.0和多媒体时代的到来，网络上的数据的形式也越来越多，例如：文本、图像、视频和音频等。因此一个网页往往包含多种模态的数据，这些数据相互关联，结构复杂。面对海量异构数据，在实际应用中存在多个挑战：1) 如何实现大规模检索；2) 挖掘不同媒体间的内在联系等。

哈希技术把样本映射到二值空间，为大规模检索提供一种新的解决方案。跨媒体计算是围绕跨媒体表达、挖掘、推理和搜索等核心问题，揭示其演化规律而进行的理论和算法。跨媒体检索技术通过把不同模态的数据映射到一个共享子空间，在此空间中保持样本语义的相似性。从而实现用户提交一种媒体对象作为查询，检索出不同媒体类型对象，并且排序返回检索结果。

成果展示

代表性成果：

- ▶ 共享子空间语义保持
- ▶ 离散优化在哈希方法中的应用
- ▶ 实时海量跨媒体检索

应用范围：

- ▶ 社交媒体中的主题分析
- ▶ 公共安全事件的舆情分析
- ▶ 智慧旅游大数据分析



查询图像

... the **River** Beal its name. An ancient track ... Buckstones Road leading to ... that the **township** of ... about of **land** at Whitfield ... in the ruins of a **house** at Whitfield... Rmdashoccupied by a small and close **community** of families. The **area** was thinly populated... These **hamlets** were situated above the water-logged **valley** bottoms and below mdashwhich encouraged the influx of ... A second Crompton Hall, set in its own prominent **forested grounds**, was erected by the familymdash There had been a **chapel** of ease at the **hamlet** of Shaw... money towards Oldham Parish **Church**...

查询文本

Sport ... Most of the clubs are satellite structures ... which is currently not supported after its previous sponsoring deal ended ... The club capacity of Valley Parade ... a brick building, which houses the club's changing rooms and the security office, which have recently ... more office space, a club shop, ticket office and museum in a former garage, which will be run by local Beavertons and be open in partnership with the Football Club ... Valley Park ...	Sport ... in a recent North FA Cup match, the ground capacity, the club Footings were erected at the ground ... FA Cup secured the financial status of the club and allowed for a cover to be built over the South Stand ... but the case of the then relegation Beavertons in 1971, safety licenses were required by clubs which resulted in the capacity ... Carron Road is an all-seater stadium with a capacity of 25,000 ... The club merged two separate arrangements at either end of the stadium during the off-season ...	Geography Queen Park , home of the Seattle Seahawks and Seattle Sounders FC, Seattle's professional sports teams began at the sign of the ... became the first American hockey team to join the Stanley Cup ... Today Seattle has four major professional sports teams: The National Football League's Seattle Seahawks, Major League Baseball's Seattle Mariners, Major League Soccer's Seattle Sounders FC ... Oklahoma City ...	Sport The stadium in Harbinbin Park ... when the club launched an ambitious scheme to completely rebuild the site ... The club moved out and the old stadium ... commenced facilities the club wanted to build in addition to the stadium itself ... The team spent three years ground-sharing with other teams, but eventually ... temporary buildings in place ... The club's ultimate plan ... The Harbinbin Football Club will use an income stream in the football club ...	Geography Trifford is the home of several major sports teams ... used as a stadium for international matches, Harbinbin 10000 started as the Mansfield Cricket Club ... for Domes, six members of the English ... all used as the team's training ground ... Refitted on 7 May 2007 ... Six teams won the Summer ... and Trifford F.C. play in the North West Counties Football League Division One, Foston F.C.
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检索到的文本



检索到的图像