

## Evaluation of color features for content-based image retrieval

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#### Abstract:

The main objective of the current research is to develop a search engine concerned with images. In particular, the specific objectives of my work are :

- 1 - Locate automatically relevant images to a specific query image using low-level image features (especially color features).
- 2 - Evaluate the performance of color features in different datasets.

#### Introduction:

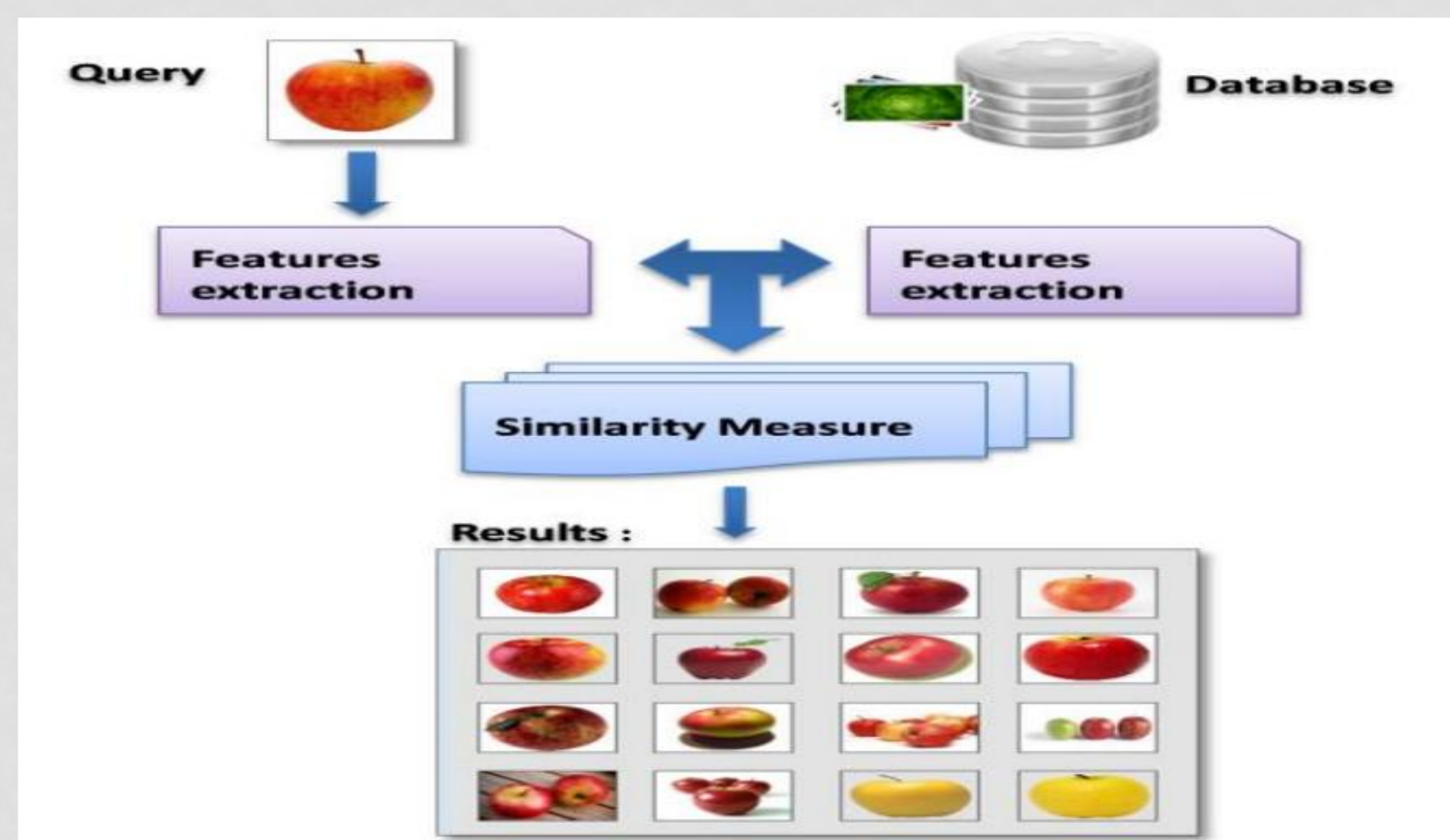
Content-Based Image Retrieval (CBIR) is an active research field, since 1990's, which attracted much attention from researchers. CBIR is the technique that locate relevant images to query image based on the visual content of images. In other words, CBIR use the low-level image features such as color, texture and shape.

High speed in retrieval is one main desirable criterions in CBIR systems.

#### Méthode et matériels:

Color features	Means, standard diviation, histogram and color-structure histogram...etc
Visuel features Indexation	Offline process and retrieval process online
Similarity measure	Euclidean distance
dataset	Coil and corel
development environment	Matlab R2016a

#### Résultats attendus:



Implement research motor that does this work by basing color features

Find the best color features in the CBIR by testing several databases

#### References :

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  - 5- Chris Solomon School of Physical Sciences, University of Kent, Canterbury, UK Toby Breckon School of Engineering, Cranfield University, Bedfordshire, UK
  - 6- Wilhelm Burger Mark J. Burge University of Applied Sciences noblis.org. hagenberg Washengten D.C. Austria mburge@acm.org. wilbur@ieee.org
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