

Project Initial Presentation

Efficiency Analysis of Quasi-Random Sampling Algorithm for Contents-Based Image Retrieval

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Content Based Image Retrieval

- Query By Image Content



- Query Image

- Best Match

Image Description

- Features



- Color (HSV, Lab etc.)
- Edge detection
- Other Features

- Similarity = Distances between features

Preprocessing

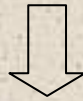


Image Description



Database

Query

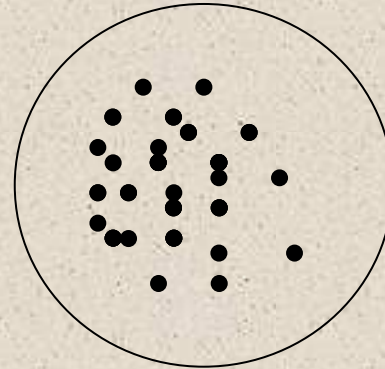
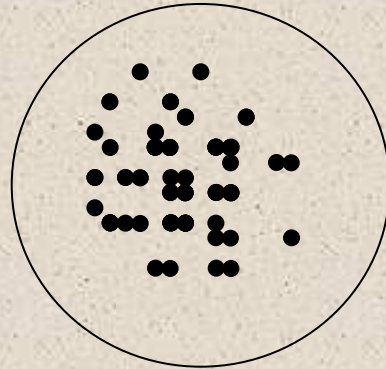
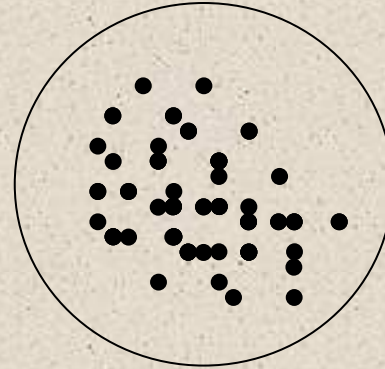
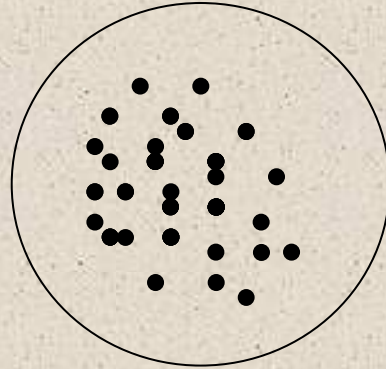


Image Description

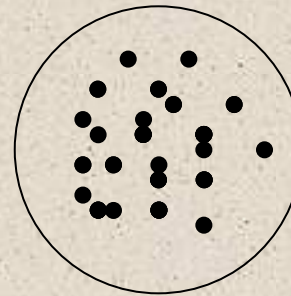
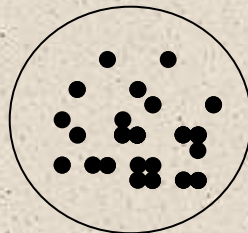
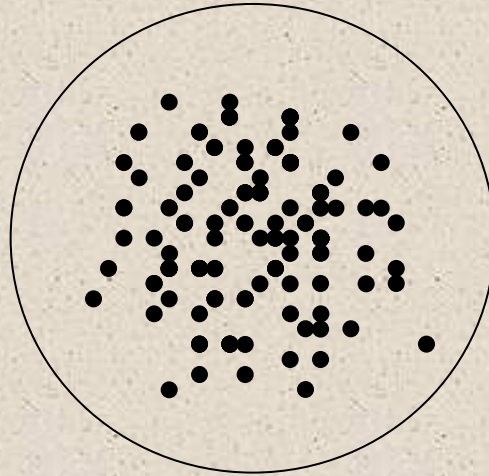


Match with each individual
image description

Clustering



Clustering



Implementation

- Windows Based
- OpenCV (Open source Computer Vision Library)
- <http://sourceforge.net/projects/opencvlibrary/>