

Indexing big colored image bank : Texture 3.0

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Outline

- 1 Introduction to the project context
- 2 Work and results
- 3 Project management
- 4 Conclusion

Project context (1/3)

Objective

Test a solution for content based image indexing flaw : standard descriptors (SIFT, SURF, etc) lacking real color and texture information.

CONTENT-BASED IMAGE RETRIEVAL

INDEXING

IMAGES

Signature
processing

Project context 2/3

What is a descriptor ?

Algorithm applied to an image which output is a short vector of numbers which is invariant to common image transformations and can be compared with other descriptors in a database.



Project context 3/3

What is a CLEF ?

International contest which purpose is to provide a place where labs and companies solution for multimedia analysis of life can compete against each other.

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Team presentation



User requirement



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SIFT (1/2)



SIFT (2/2)



C_2O (1/4)



C_2O (2/4)



C_2O (3/4)



C₂O (4/4)



Bag of word



k-nn



Result and discussion (1/2)



Result and discussion (2/2)



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Scheduling



Project gestion



Our experience



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Objectives



Achieved work



Problem encountered



Personal point of view





Thanks for attention