FELIX STÜRMER

SKETCH-BASED IMAGE RETRIEVAL USING CURVELETS

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FELIX STÜRMER

An Evaluation of Curvlet-Based Cross-Domain Descriptors for Sketch-Based Image Retrieval

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A B S T R A C T

Short summary of the contents...

ACKNOWLEDGMENTS

acknowledgments go here...

CONTENTS

1 INTRODUCTION 1
2 BACKGROUND & RELATED WORK 3
3 PROPOSED SOLUTION 5
4 EXPERIMENTAL RESULTS 7
5 ANALYSIS 9
6 CONCLUSION 11

BIBLIOGRAPHY 13

LIST OF FIGURES

LIST OF TABLES

LISTINGS

ACRONYMS

1 INTRODUCTION

Introduction goes here...

2

BACKGROUND & RELATED WORK

Most approaches can be characterized by looking at three stages in their processing pipeline:

INPUT FORMAT The structure of the input data determines the amount of information available to the subsequent processing steps. Possible preprocessing steps include color space conversion and scaling.

EXTRACTED FEATURES The large number of coefficients produced by the curvelet transform are reduced to a set of feature coefficients.

DISTANCE METRIC In order to rank the images according to similarity a metric is used to calculate the distance in feature space between two sets of feature coefficients. The selection of a metric is often closely coupled with the feature extraction algorithm.

3 PROPOSED SOLUTION

Proposed solution goes here...

4

EXPERIMENTAL RESULTS

Experimental results go here...

5 ANALYSIS

Analysis goes here...

6 CONCLUSION

Conclusion goes here...

COLOPHON

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DECLARATION

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Berlin, January 2012

Felix Stürmer