Master Thesis Presentation

Comparison of Disparity Algorithms for Stereoscopic Videos

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May 25, 2016

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Motivation

Applications

- Kinect
- Sunlight
- not good, medical surgery, 3DTV

Foundations

Epipolar geometry

bit of epipolar geometry

Constraints

constraints

Classification

local and global ones

Taxonomy

explain basics

Matching cost

SAD

Simple block-matching

example

Implementation

Overview

Spatiotemporal stereo matcher

Evaluation suite

Masking modes

Image diminisher

Web viewer



Evaluation

Overview

sketch measurement

Datasets

datasets (shortly)

Metrics

what was evaluated

Results

results

Conclusion

Contributions

conclusion

Outlook

short future outlook

Future work

short future outlook



References I