Computer Vision Project (Part 2)
COMP9517 - Semester 1, 2015

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May 4, 2015

1 Overview

2 Problem Statement

3 Literature Survey

Cited works [Litvin et al., 2003, Battiato et al., 2007, Grundmann et al., 2011, Liu et al., 2009, Matsushita et al., 2006]

4 Approach

5 Plan

Week 9
> The first item

Week 10
> The second item

Week 11
> The second item

Week 12
> The second item

Week 13
> The third etc . . .

References

Sebastiano Battiato, Giovanni Gallo, Giovanni Puglisi, and Salvatore Scellato. Sift features tracking for video stabilization. In *Image Analysis and Processing, 2007. ICIAP 2007. 14th International Conference on,* pages 825–830. IEEE, 2007.

Matthias Grundmann, Vivek Kwatra, and Irfan Essa. Auto-directed video stabilization with robust l1 optimal camera paths. In *Computer Vision and Pattern Recognition (CVPR), 2011 IEEE Conference on*, pages 225–232. IEEE, 2011.

Andrey Litvin, Janusz Konrad, and William C Karl. Probabilistic video stabilization using kalman filtering and mosaicing. In *Electronic Imaging 2003*, pages 663–674. International Society for Optics and Photonics, 2003.

Feng Liu, Michael Gleicher, Hailin Jin, and Aseem Agarwala. Content-preserving warps for 3d video stabilization. In *ACM Transactions on Graphics (TOG)*, volume 28, page 44. ACM, 2009.

Y. Matsushita, E. Ofek, Weina Ge, Xiaoou Tang, and Heung-Yeung Shum. Full-frame video stabilization with motion inpainting. *Pattern Analysis and Machine Intelligence, IEEE Transactions on*, 28(7): 1150–1163, July 2006. ISSN 0162-8828. doi: 10.1109/TPAMI.2006.141.