Research Log - Week 05

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July 28, 2016

June 14, 2016

Working on implementing [Park2003] [1] in MatLab.

Also working on implementing Spectral Clustering (for images) in MatLab. Started working on `fnDistance.m` to calculate pixel distances (*Distance Matrix*) for vectorized (row major and column major) images, needed for segmentation through spectral clustering.

June 16, 2016

Added some additional text regarding the *epipolar constraint* to the thesis document.

June 17, 2016

Finished implmenting and testing `fnDistance.m` for distance matrix. Next finished working on and testing `fnSimilarity.m` implementing a *Similarity Matrix* for spectral clustering.

June 18, 2016

Wrote small amount additional text on *epipolar contstraint*, and verified understanding through MatLab functions.

References

[1] Joon Hong Park and HyunWook Park. Fast view interpolation of stereo images using image gradient and disparity triangulation. In *Image Processing, 2003. ICIP 2003. Proceedings. 2003 International Conference on*, volume 1, pages I–381–4 vol.1, Sept 2003.