

Computer Vision

Spring 2018

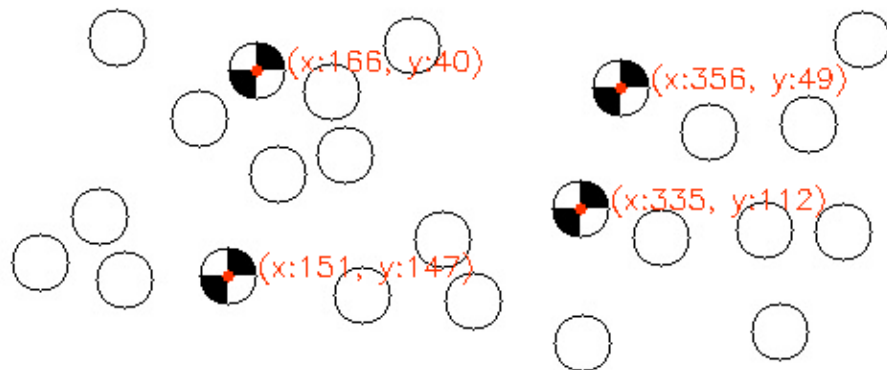
Problem Set #3

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1: Marker detection

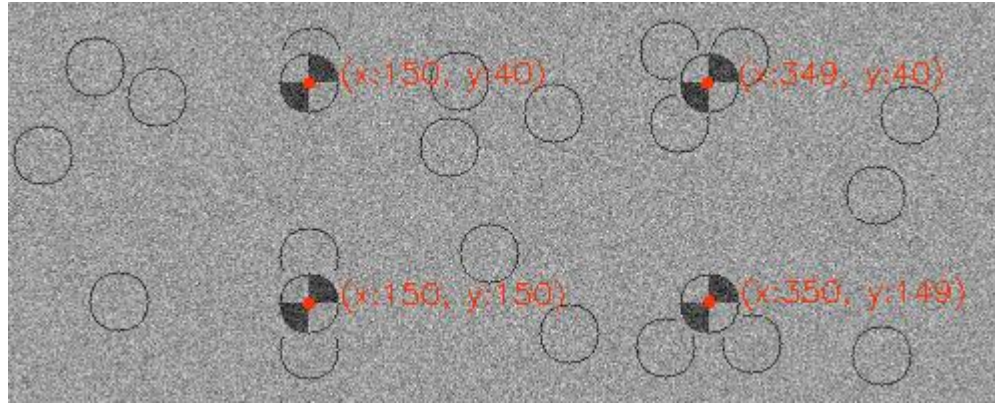


ps3-1-a-1.png



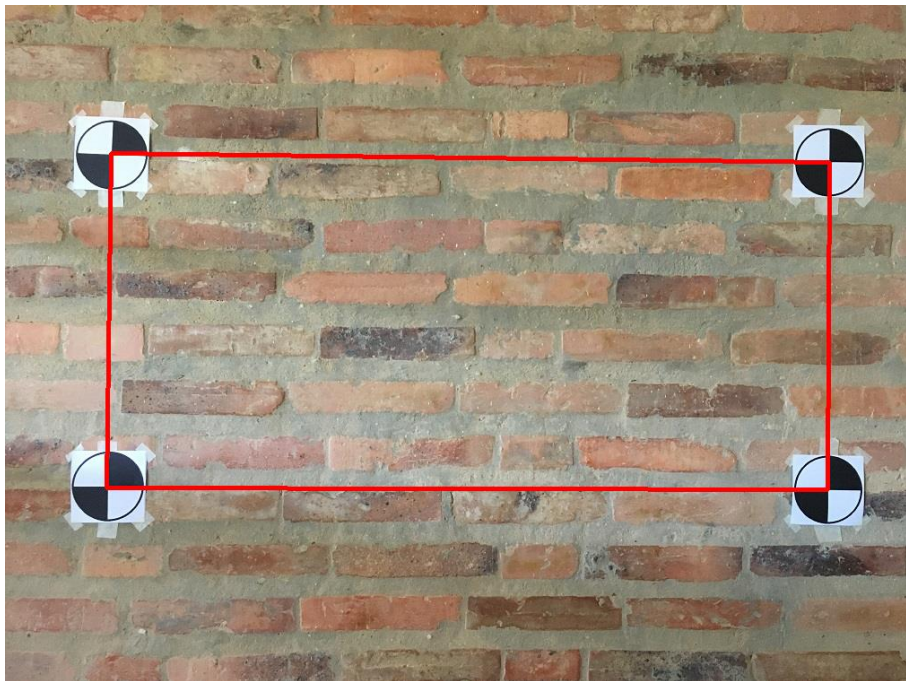
ps3-1-a-2.png

1: Marker detection (cont.)



ps3-1-a-3.png

2: Marker detection (wall scene)

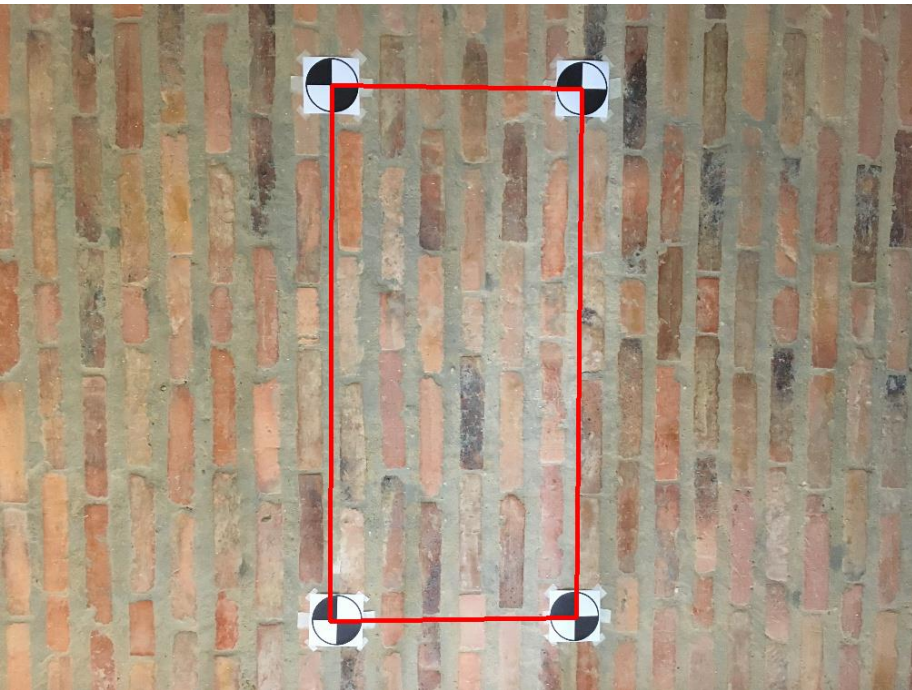


ps3-2-a-1.png

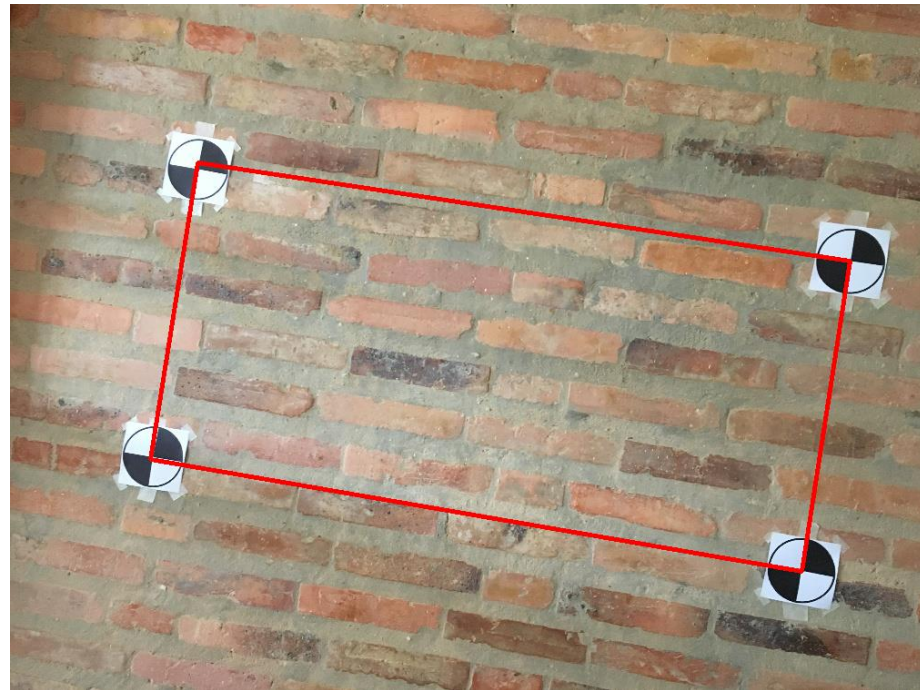


ps3-2-a-2.png

2: Marker detection (wall scene)

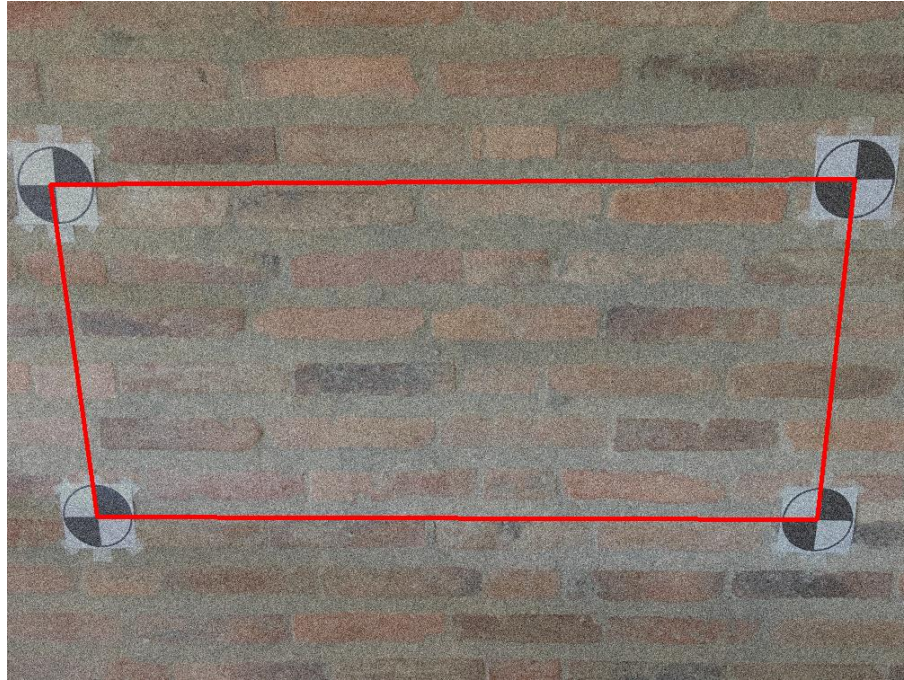


ps3-2-a-3.png



ps3-2-a-4.png

2: Marker detection (wall scene)



ps3-2-a-5.png

3: Projective Geometry



ps3-3-a-1.png



ps3-3-a-2.png

3: Projective Geometry (cont.)



ps3-3-a-3.png

4: Markers in Video



ps3-4-a-1.png



ps3-4-a-2.png

4: Markers in Video (cont.)



Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/zrwt4e7h0e4hzwd/ar_4-a-ps3-4-a.avi?dl=0

ps3-4-a-3.png

4: Markers in Video (cont.)



ps3-4-a-4.png



ps3-4-a-5.png

4: Markers in Video (cont.)



Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/s2utxswnxjk28qz/ar_4-a-ps3-4-b.avi?dl=0

ps3-4-a-6.png

4: Markers in Video



ps3-4-b-1.png



ps3-4-b-2.png

4: Markers in Video (cont.)

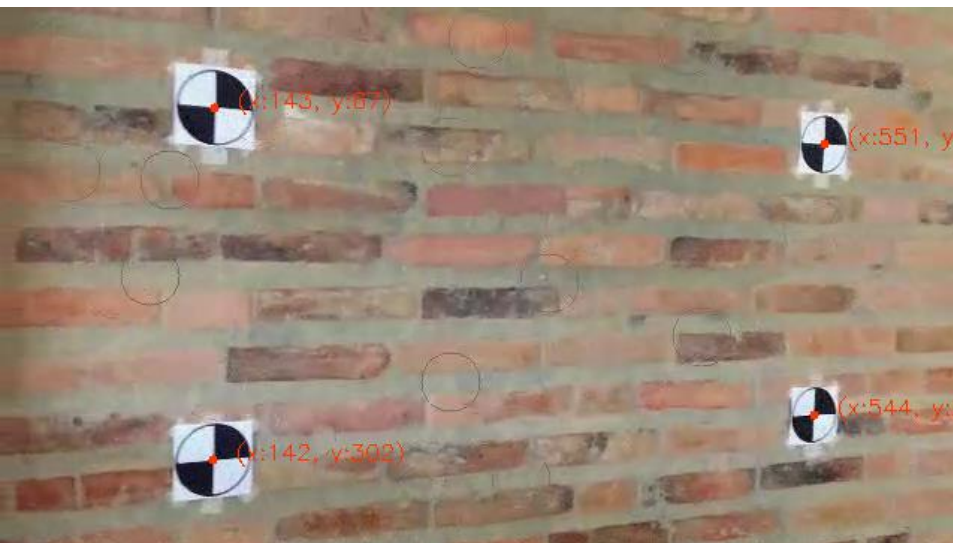


Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/k3p2yovd82di3sy/ar_4-b-ps3-4-c.avi?dl=0

ps3-4-b-3.png

4: Markers in Video (cont.)



ps3-4-b-4.png



ps3-4-b-5.png

4: Markers in Video (cont.)



Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/9e8hvz42jamzc9t/ar_4-b-ps3-4-d.avi?dl=0

ps3-4-b-6.png

5: AR in Video



ps3-5-a-1.png



ps3-5-a-2.png

5: AR in Video (cont.)



ps3-5-a-3.png

Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/xzr0ujnf0l95195/ar_5-a-ps3-4-a.avi?dl=0

4: AR in Video (cont.)



ps3-5-a-4.png



ps3-5-a-5.png

5: AR in Video (cont.)



Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/9u270c72s1pevv6/ar_5-a-ps3-4-b.avi?dl=0

ps3-5-a-6.png

5: Markers in Video



ps3-5-b-1.png



ps3-5-b-2.png

5: Markers in Video (cont.)



Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/dubqal5vsftjnlz/ar_5-b-ps3-4-c.avi?dl=0

ps3-5-b-3.png

5: Markers in Video (cont.)



ps3-5-b-4.png



ps3-5-b-5.png

5: Markers in Video (cont.)



Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/96nyon1g9amytvm/ar_5-b-ps3-4-d.avi?dl=0

ps3-5-b-6.png

6: Video in Video



ps3-6-a-1.png



ps3-6-a-2.png

6: Video in Video (cont.)



Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/a5lpgevr4z8jm79/ar_6-a-ps3-4-a.avi?dl=0

ps3-6-a-3.png