Computer Vision
Fall 2017
Problem Set #3

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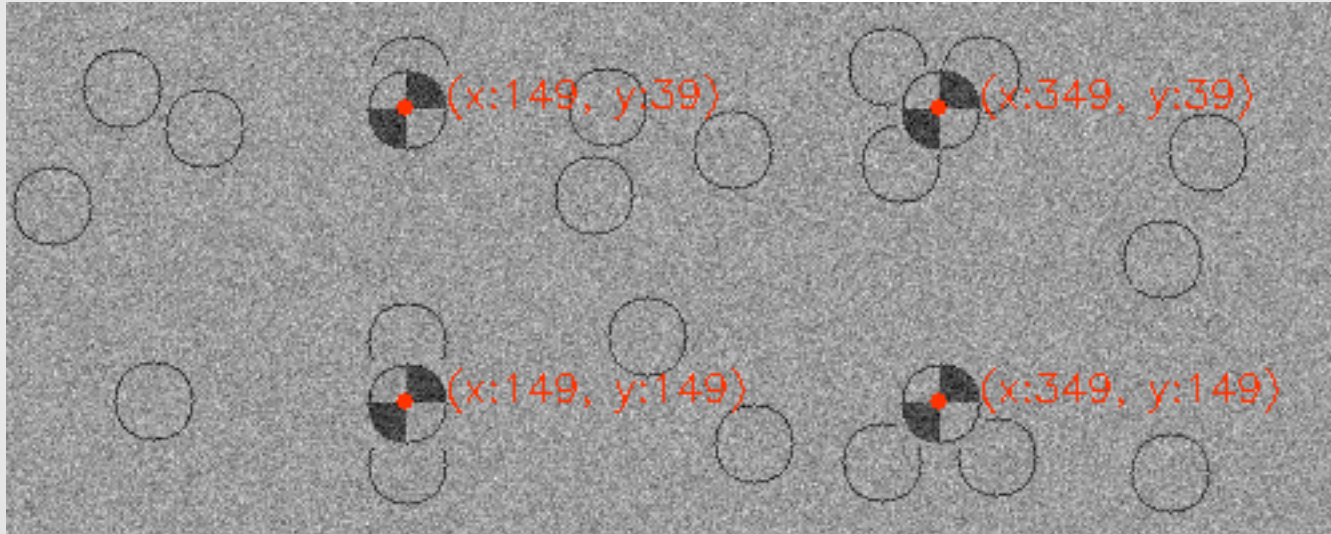
1: Marker detection

(x:113, y:39)

(x:345, y:48)

(x:150, y:141)

(x:354, y:121)

(x:165, y:39)

(x:355, y:48)

(x:150, y:146)

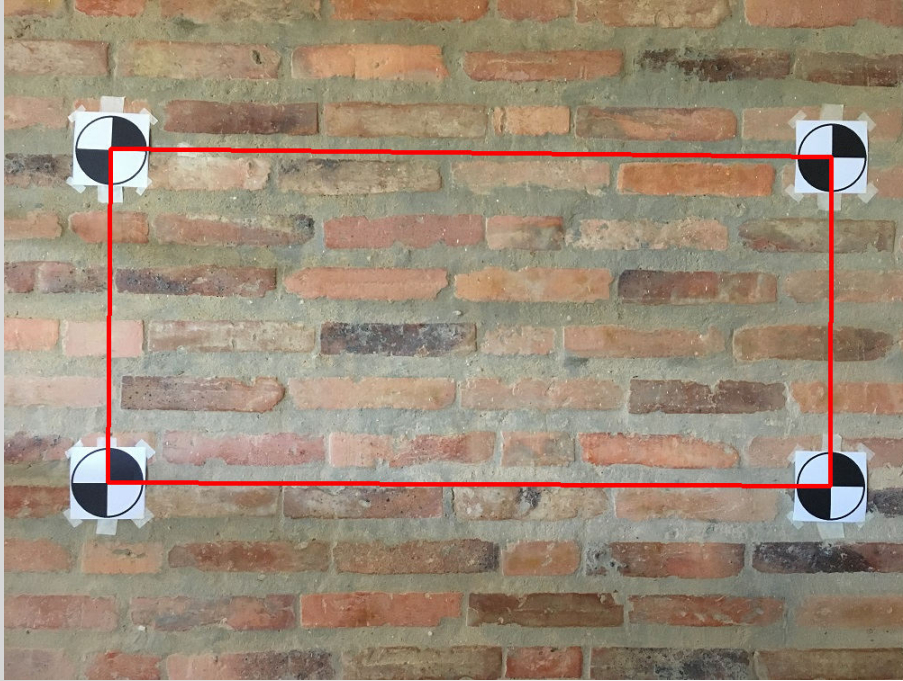(x:334, y:111)
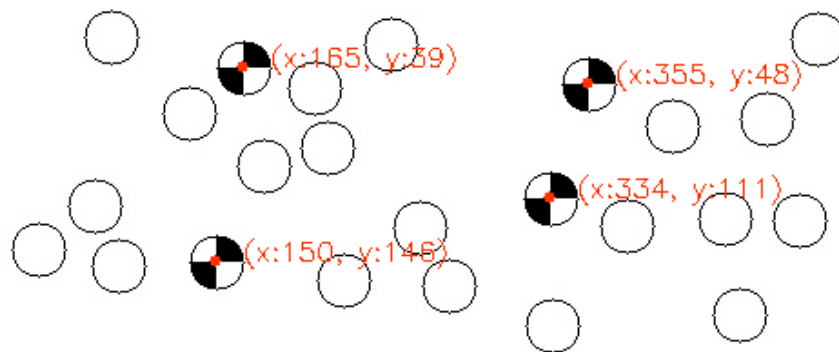
ps3-1-a-1.png
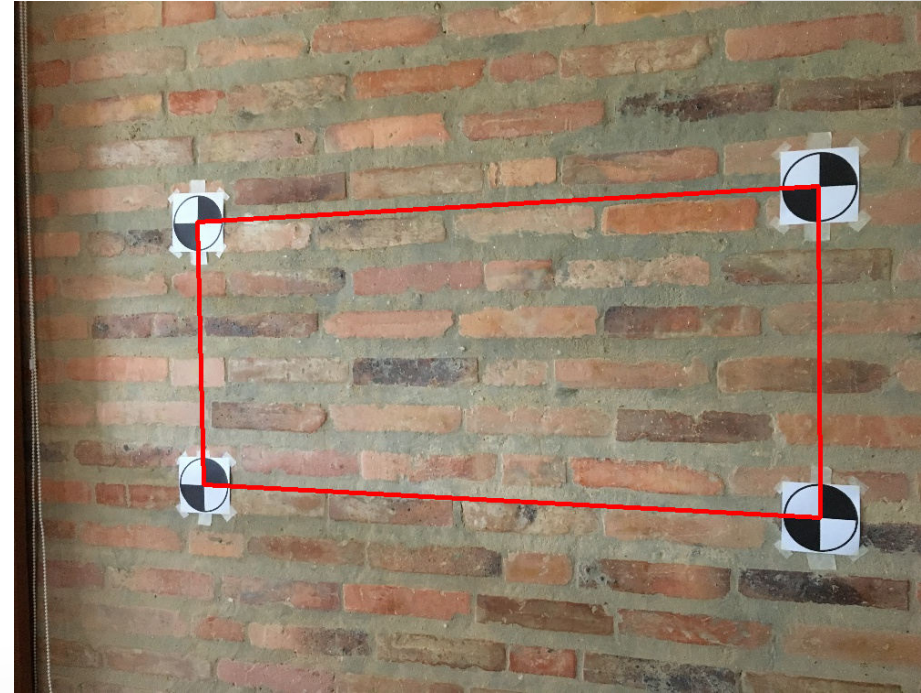
ps3-1-a-2.png

1: Marker detection (cont.)

ps3-1-a-3.png

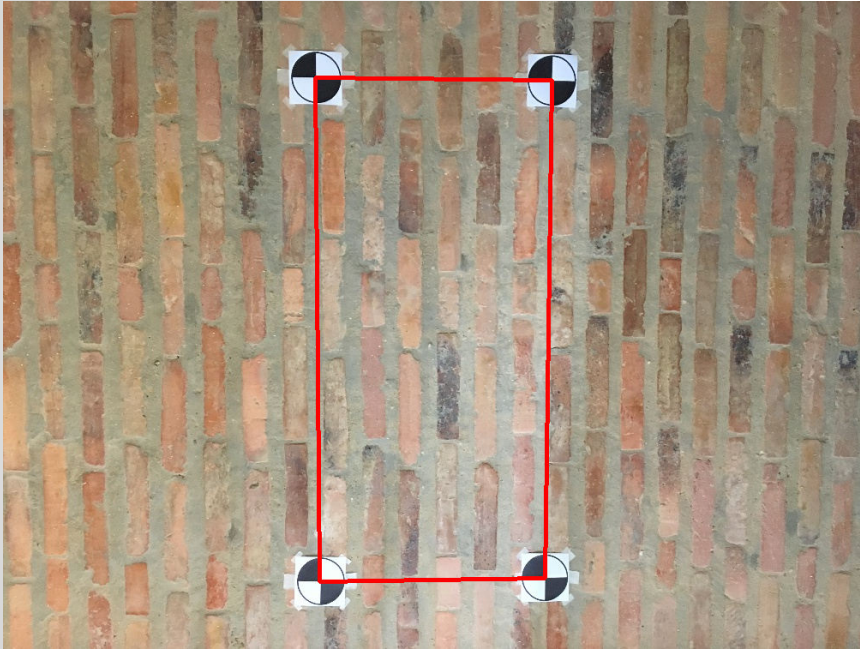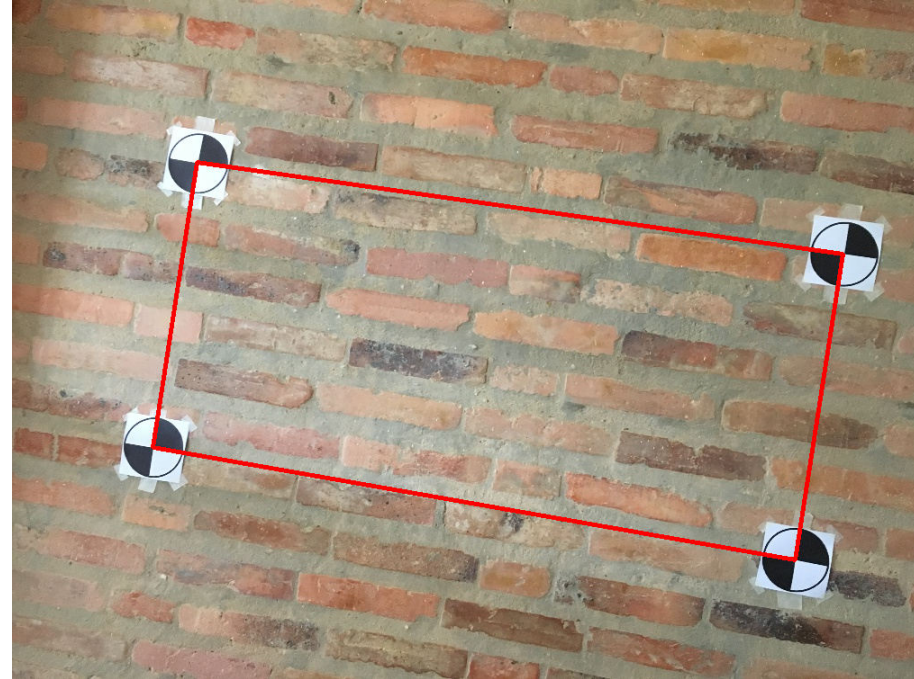# 2: Marker detection (wall scene)

ps3-2-a-1.png

ps3-2-a-2.png
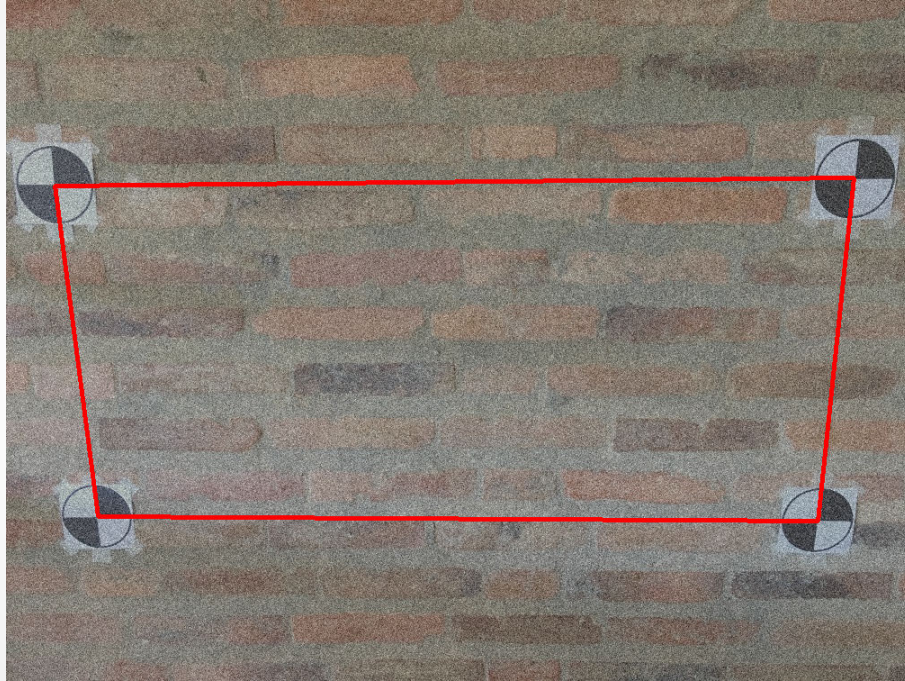
2: Marker detection (wall scene)

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.)

ps3-4-a-3.png

Youtube / Dropbox / etc. link:
https://youtu.be/brw5QliVazU

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://youtu.be/lxzLO22LGoA
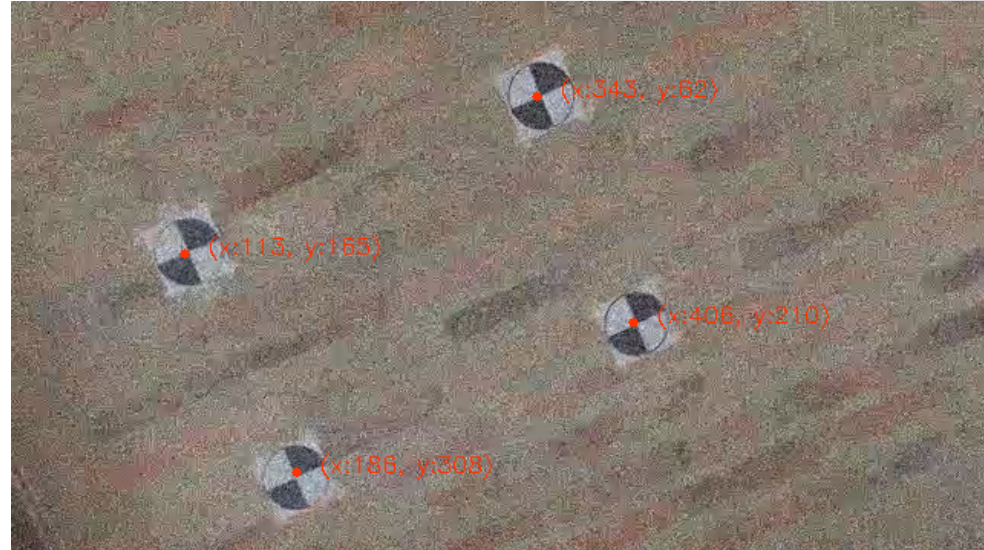
ps3-4-a-6.png

4: Markers in Video

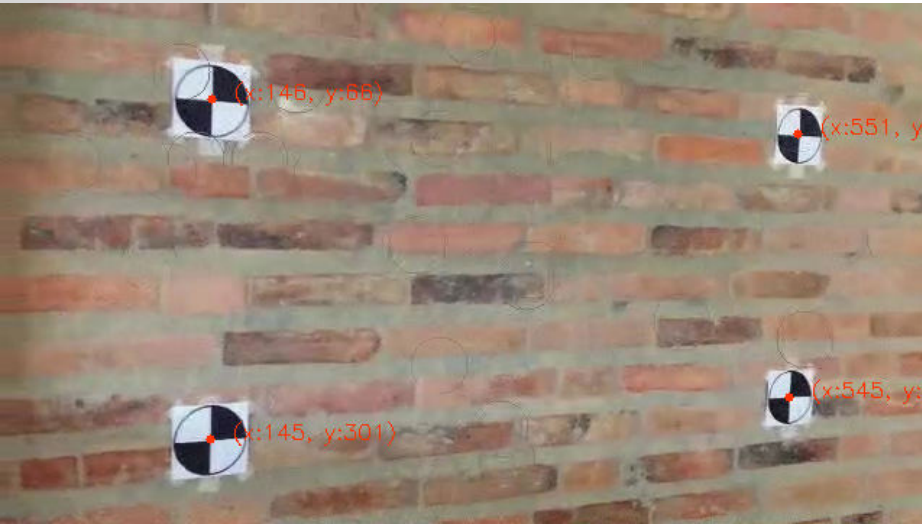ps3-4-b-1.png

ps3-4-b-2.png

4: Markers in Video (cont.)

ps3-4-b-3.png

Youtube / Dropbox / etc. link:
https://youtu.be/hROSOywtK_U

4: Markers in Video (cont.)

ps3-4-b-4.png

ps3-4-b-5.png

4: Markers in Video (cont.)

ps3-4-b-6.png

Youtube / Dropbox / etc. link:

https://youtu.be/yds8QKSkXME

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://youtu.be/cVmGfci_V8A

4: AR in Video (cont.)

ps3-5-a-4.png

ps3-5-a-5.png

5: AR in Video (cont.)

ps3-5-a-6.png

Youtube / Dropbox / etc. link:

https://youtu.be/oCu-Mb0yQXU

5: Markers in Video

ps3-5-b-1.png

ps3-5-b-2.png

5: Markers in Video (cont.)

ps3-5-b-3.png

Youtube / Dropbox / etc. link:

https://youtu.be/tbvZ6l_RwTU

5: Markers in Video (cont.)

ps3-5-b-4.png

ps3-5-b-5.png

5: Markers in Video (cont.)

ps3-5-b-6.png

Youtube / Dropbox / etc. link:

https://youtu.be/Nep3ib4PXLg

6: Video in Video

ps3-6-a-1.png

ps3-6-a-2.png

6: Video in Video (cont.)

ps3-6-a-3.png

Youtube / Dropbox / etc. link:

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https://smallpdf.com/compress-pdf

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