

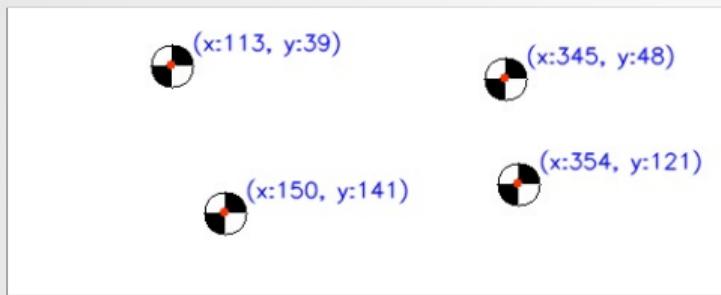
Computer Vision

Spring 2020

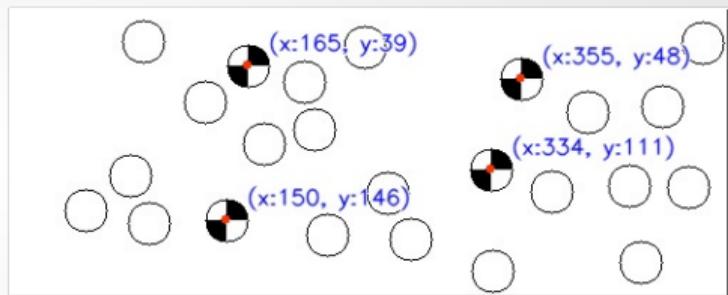
Problem Set #3

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1: Marker detection

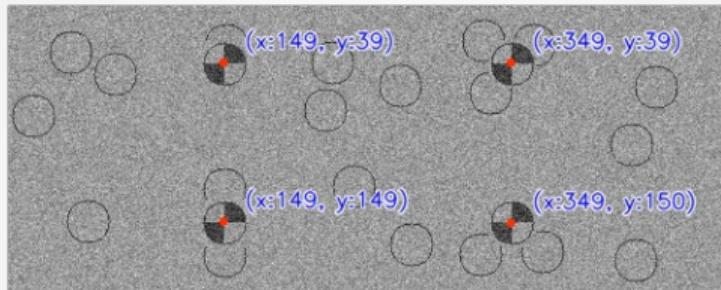


ps3-1-a-1



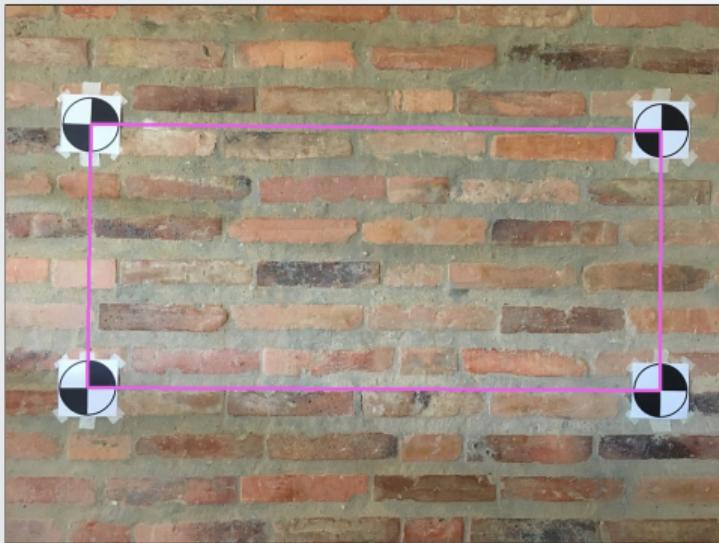
ps3-1-a-2

1: Marker detection (cont.)



ps3-1-a-3

2: Marker detection (wall scene)



ps3-2-a-1

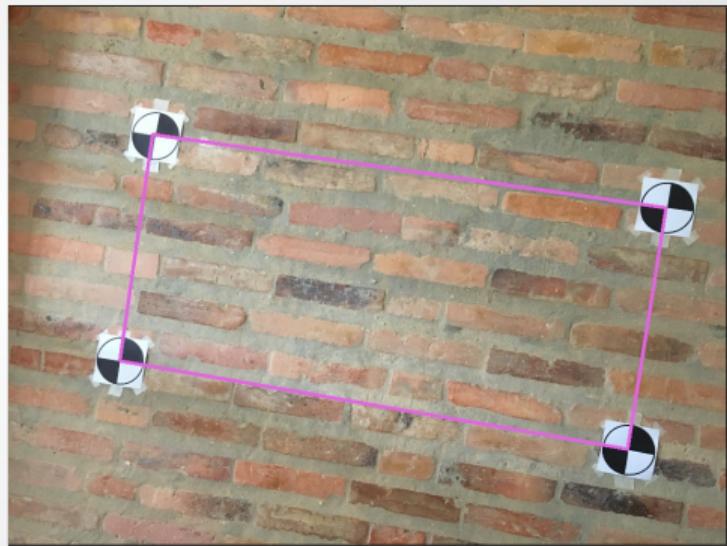


ps3-2-a-2

2: Marker detection (wall scene)

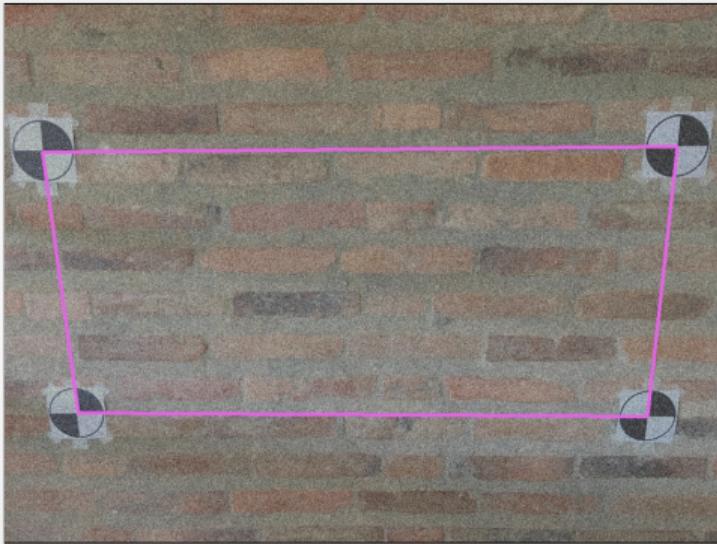


ps3-2-a-3



ps3-2-a-4

2: Marker detection (wall scene)



ps3-2-a-5

3: Projective Geometry



ps3-3-a-1



ps3-3-a-2

3: Projective Geometry (cont.)



ps3-3-a-3

4: Markers in Video



ps3-4-a-1



ps3-4-a-2

4: Markers in Video (cont.)



ps3-4-a-3

Youtube / Dropbox / etc. link:
<https://youtu.be/rCv0aasCAnE>

4: Markers in Video (cont.)



ps3-4-a-4



ps3-4-a-5

4: Markers in Video (cont.)



ps3-4-a-6

Youtube / Dropbox / etc. link:
<https://youtu.be/vWaDCWeJwEM>

4: Markers in Video



ps3-4-b-1



ps3-4-b-2

4: Markers in Video (cont.)



ps3-4-b-3

Youtube / Dropbox / etc. link:
<https://youtu.be/SiJJSSiQgq90>

4: Markers in Video (cont.)



ps3-4-b-4



ps3-4-b-5

4: Markers in Video (cont.)



ps3-4-b-6

Youtube / Dropbox / etc. link:
<https://youtu.be/dtGafGptwVA>

5: AR in Video



ps3-5-a-1



ps3-5-a-2

5: AR in Video (cont.)



ps3-5-a-3

Youtube / Dropbox / etc. link:
<https://youtu.be/ltwq0TMoGd0>

5: AR in Video (cont.)



ps3-5-a-4



ps3-5-a-5

5: AR in Video (cont.)



ps3-5-a-6

Youtube / Dropbox / etc. link:
<https://youtu.be/JODFEVT3bAQ>

5: Markers in Video



ps3-5-b-1



ps3-5-b-2

5: Markers in Video (cont.)



ps3-5-b-3

[Youtube / Dropbox / etc. link:](#)
<https://youtu.be/FCB1qdT-A5I>

5: Markers in Video (cont.)

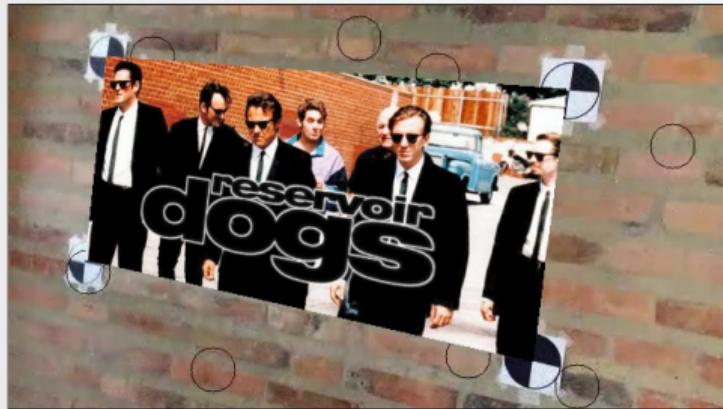


ps3-5-b-4



ps3-5-b-5

5: Markers in Video (cont.)



ps3-5-b-6

Youtube / Dropbox / etc. link:
<https://youtu.be/k4-HrqKXeng>

6: Video in Video



ps3-6-a-1



ps3-6-a-2

6: Video in Video (cont.)



ps3-6-a-3

Youtube / Dropbox / etc. link:
<https://youtu.be/rYGr3SpbUE8>

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Verify that all images are still visible for grading.