

Computer Vision

FALL 2020

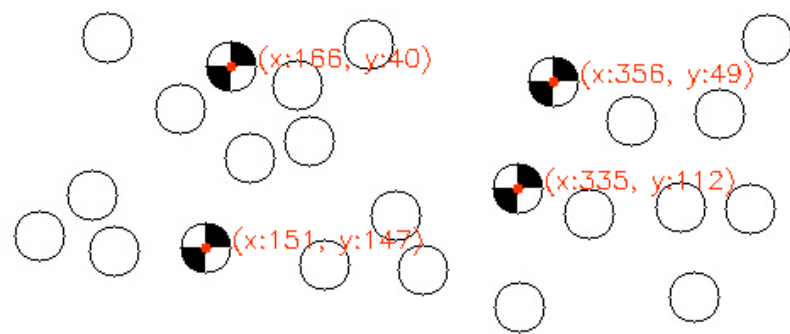
Problem Set #3

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1: Marker detection

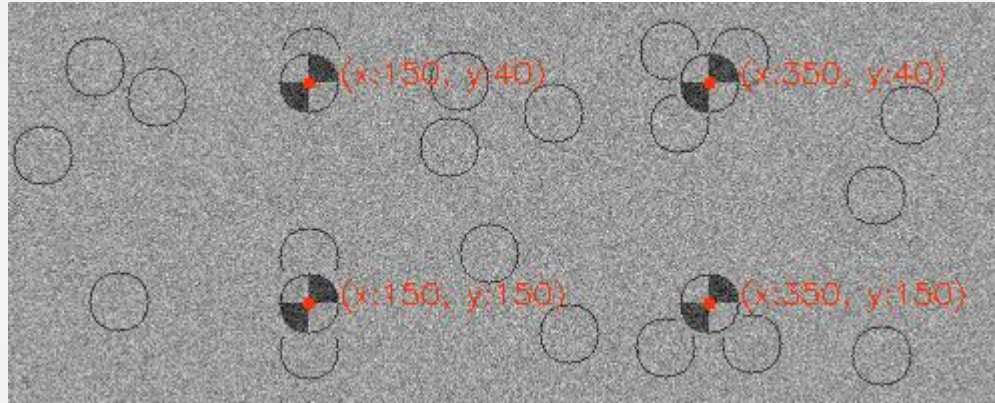


ps3-1-a-1



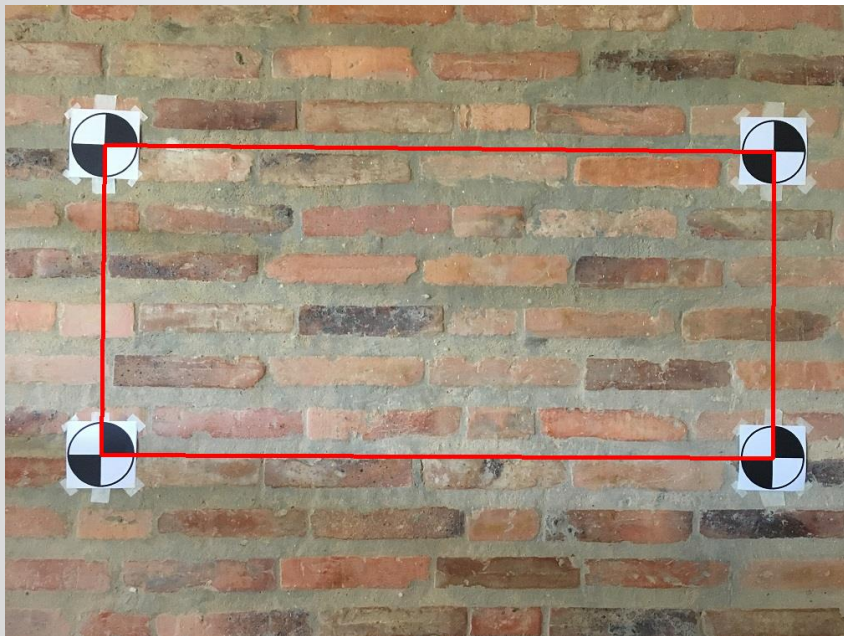
ps3-1-a-2

1: Marker detection (cont.)



ps3-1-a-3

2: Marker detection (wall scene)

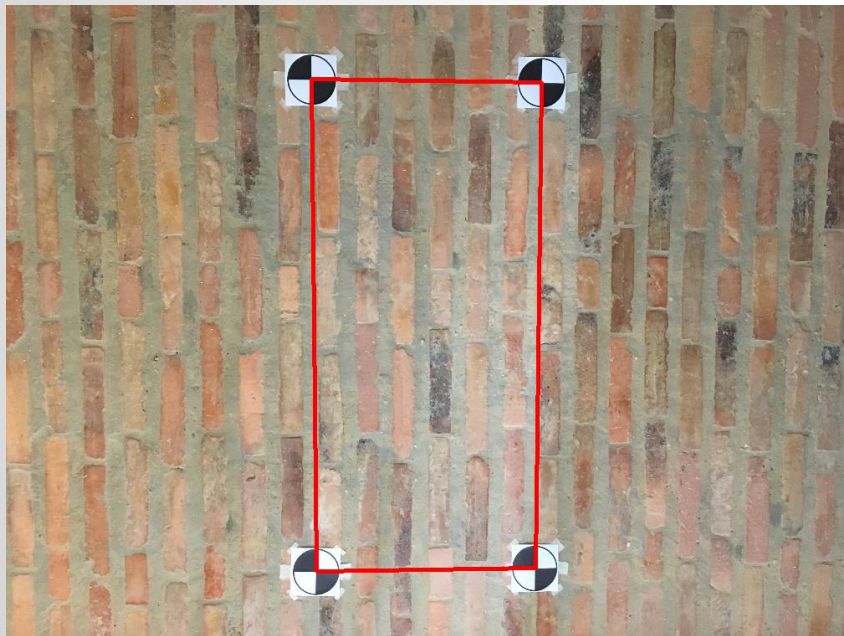


ps3-2-a-1

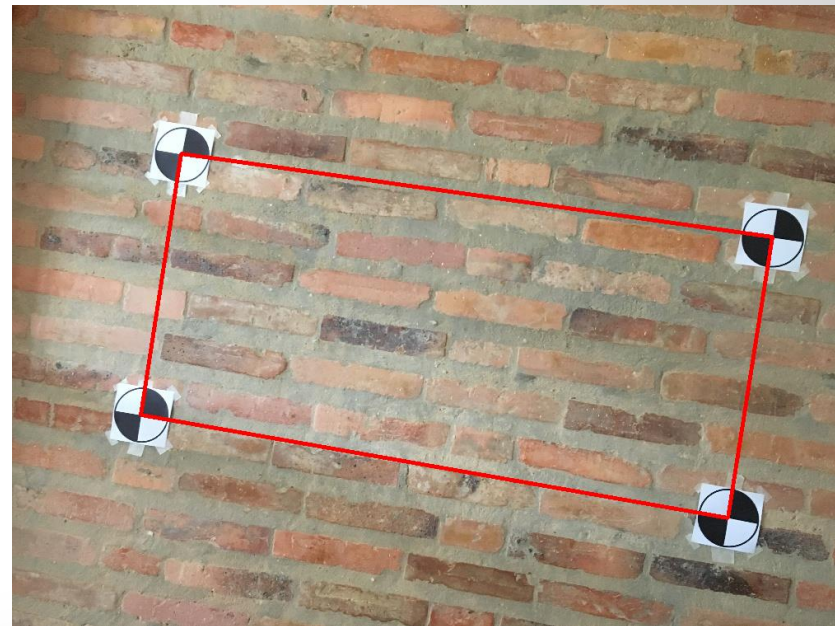


ps3-2-a-2

2: Marker detection (wall scene)

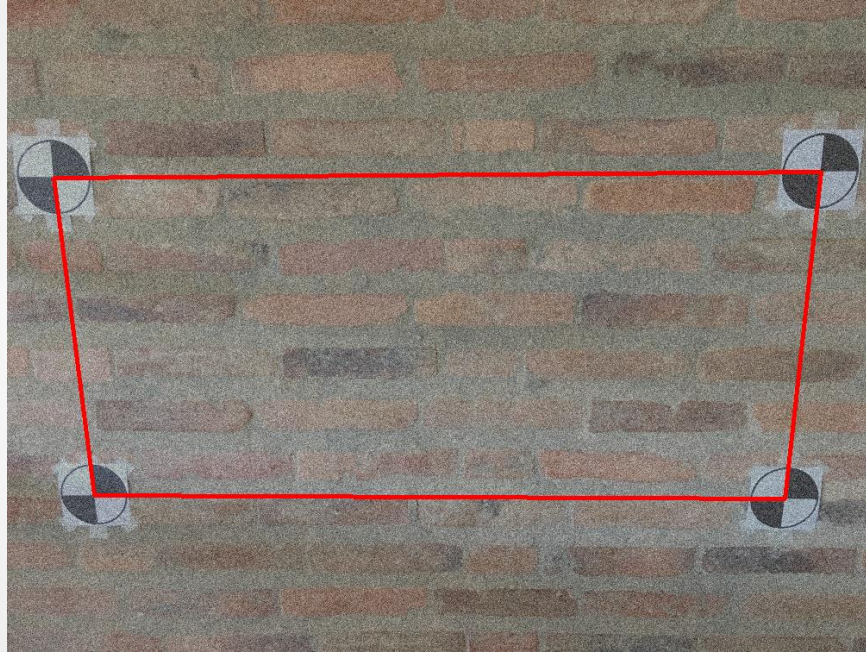


ps3-2-a-3



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.)



Youtube / Dropbox / etc. link:

https://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/EVIV8Uic0JxAtXIKnOhmp8MBQ1HBhuhdJouJvdaynECB0g?e=lenWsk

Short Link : [Here](#)

ps3-4-a-3

4: Markers in Video (cont.)



ps3-4-a-4



ps3-4-a-5

4: Markers in Video (cont.)



Youtube / Dropbox / etc. link:

https://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/EUH_dJ-cWwpOuw7JiAbckclBBVe-HpQ8nnw3knX9IFnWtQ?e=n5yggC

Short Link : [Here](#)

ps3-4-a-6

4: Markers in Video



ps3-4-b-1



ps3-4-b-2

4: Markers in Video (cont.)



Youtube / Dropbox / etc. link:

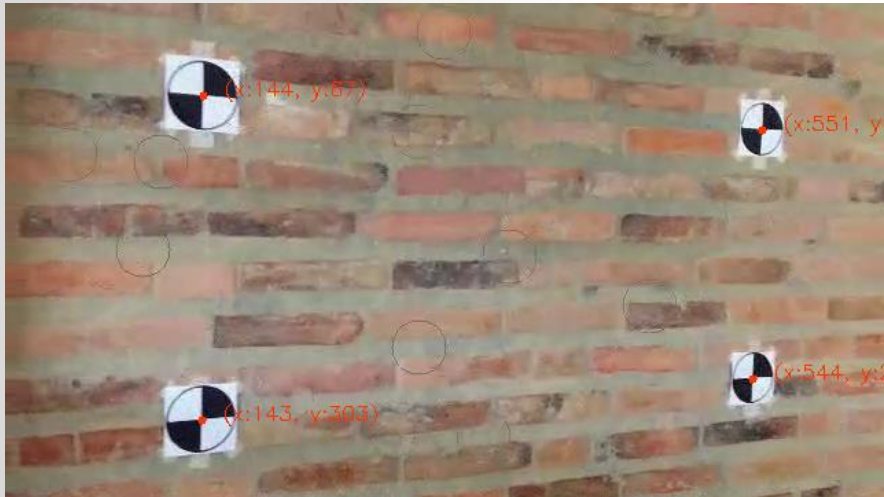
<https://gtvault->

[my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/ERduLiGT60VNjjQeCiGokk0BQ9XPwCpzQovOleki_LtkCg?e=f53Ti8](https://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/ERduLiGT60VNjjQeCiGokk0BQ9XPwCpzQovOleki_LtkCg?e=f53Ti8)

Short Link : [Here](#)

ps3-4-b-3

4: Markers in Video (cont.)



ps3-4-b-4



ps3-4-b-5

4: Markers in Video (cont.)



Youtube / Dropbox / etc. link:

https://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/EdzV6zCSmtdPt276kssFnswwBBv3EFIJJIhMoyR82Xd2emA?e=pJlnrs

Short link : [Here](#)

ps3-4-b-6

5: AR in Video



ps3-5-a-1



ps3-5-a-2

5: AR in Video (cont.)



Youtube / Dropbox / etc. link:

<https://gtvault->

[my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/ERq1WMFJ4KtFvT9U5WAuzDUBTG4sOtZujYhiV9I1JtE3lw?e=rY0Vyv](https://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/ERq1WMFJ4KtFvT9U5WAuzDUBTG4sOtZujYhiV9I1JtE3lw?e=rY0Vyv)

Short Link : [Here](#)

ps3-5-a-3

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://gtvault->

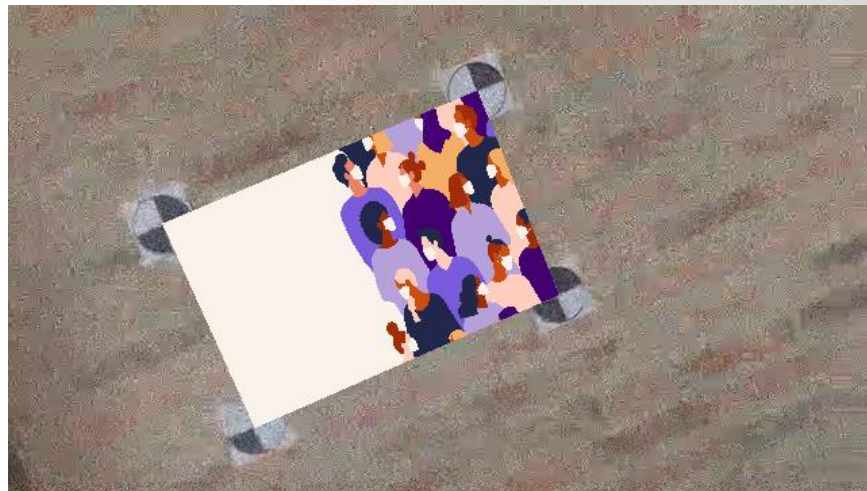
[my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/EcXCHNRhzKJPjWBr4DIaUXUB6NwhgqUqiWjXCArmehi-sQ?e=DZNCIB](https://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/EcXCHNRhzKJPjWBr4DIaUXUB6NwhgqUqiWjXCArmehi-sQ?e=DZNCIB)

Short Link : [Here](#)

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://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/ESNcNG0bp81Nq4jLlz_NyiABQ3fZADDXA0-DJQgoen0raw?e=4eNTNd

Short Link : [Here](#)

5: Markers in Video (cont.)

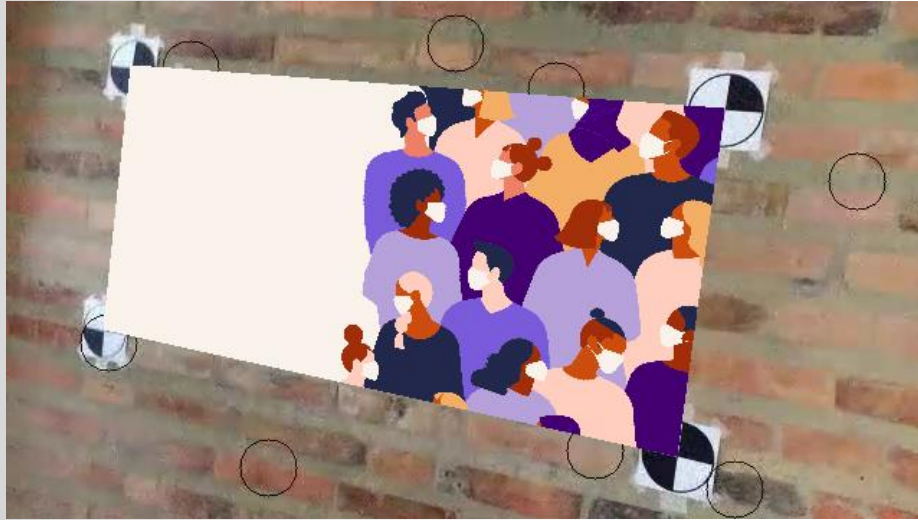


ps3-5-b-4



ps3-5-b-5

5: Markers in Video (cont.)



ps3-5-b-6

Youtube / Dropbox / etc. link:

https://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/ET_sbGI4Z7FOk130AM3mSLcBOhvpDI9G0mK1U0HrhsZhlQ?e=uUV60g

Short Link : [Here](#)

6: Video in Video



ps3-6-a-1



ps3-6-a-2

6: Video in Video (cont.)



Youtube / Dropbox / etc. link:

https://gtvault-my.sharepoint.com/:v:/g/personal/ppatel480_gatech_edu/EeA1JukijJpKn8Suzkf9nhsBvUERmEvJGnukq6jttehelg?e=CfF8Lr

Short Link : [Here](#)

ps3-6-a-3

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Verify that all images are still visible for grading.