

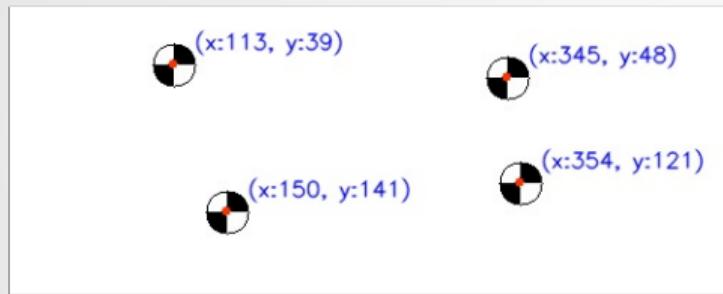
# **Computer Vision**

## **Spring 2020**

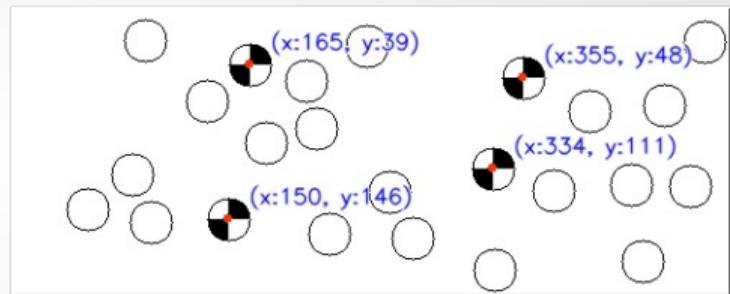
# **Problem Set #3**

Andrew Parmar  
[aparmar32@gatech.edu](mailto:aparmar32@gatech.edu)

# 1: Marker detection

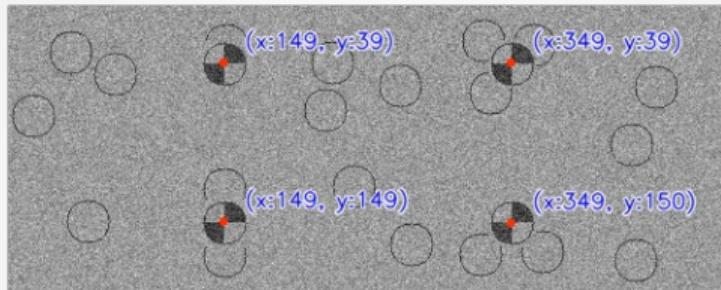


**ps3-1-a-1**



**ps3-1-a-2**

# 1: Marker detection (cont.)



**ps3-1-a-3**

## 2: Marker detection (wall scene)



ps3-2-a-1

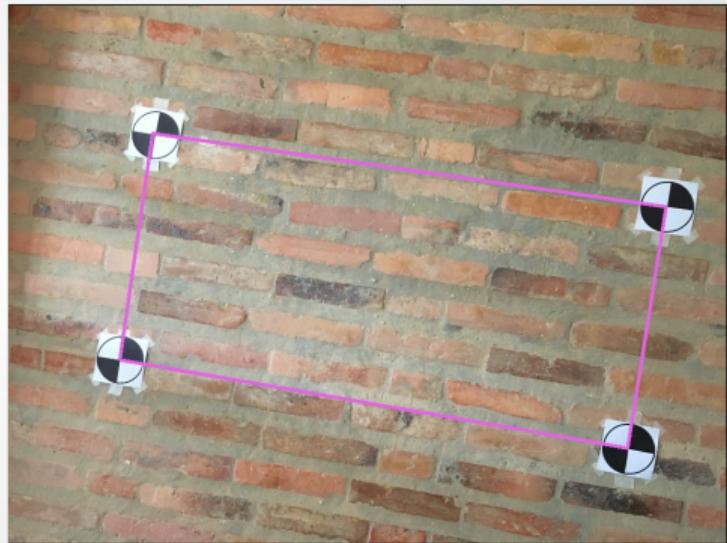


ps3-2-a-2

## 2: Marker detection (wall scene)

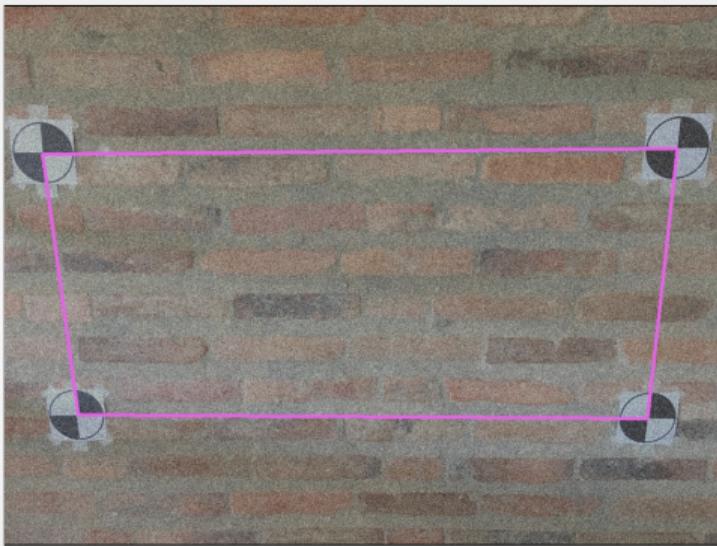


ps3-2-a-3



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/i6mvB8UQzow>

# 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/wXss5Mh41aM>

# 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/sbPy-yxN2kU>

# 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/n2Al4D0qADs>

# 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.)

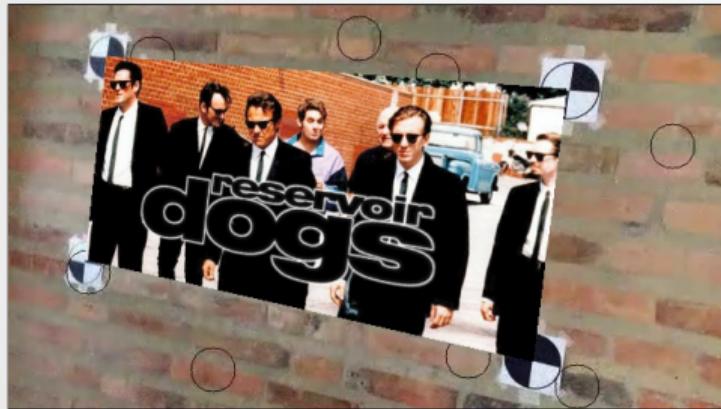


ps3-5-b-4



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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