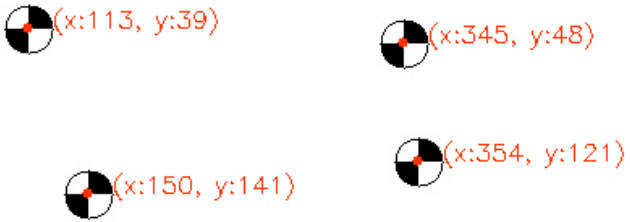
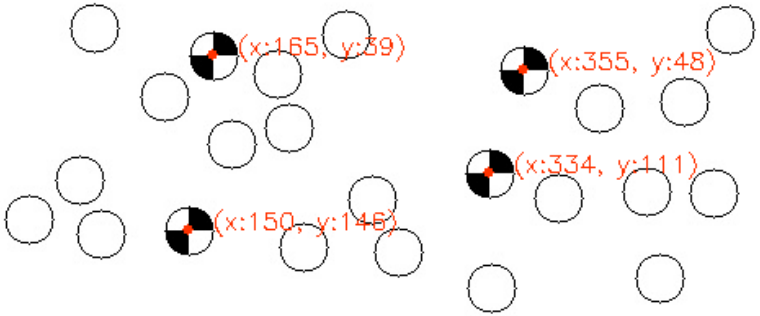
Computer Vision (Spring 2019) Problem Set #3

Jijun HU
jijun.hu.0930@gatech.edu

1: Marker detection

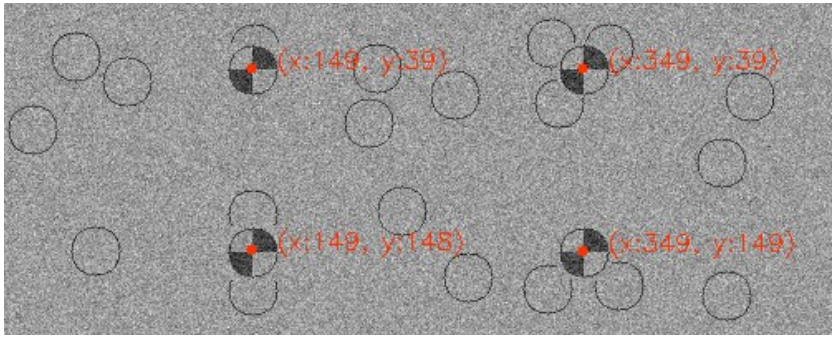


ps3-1-a-1



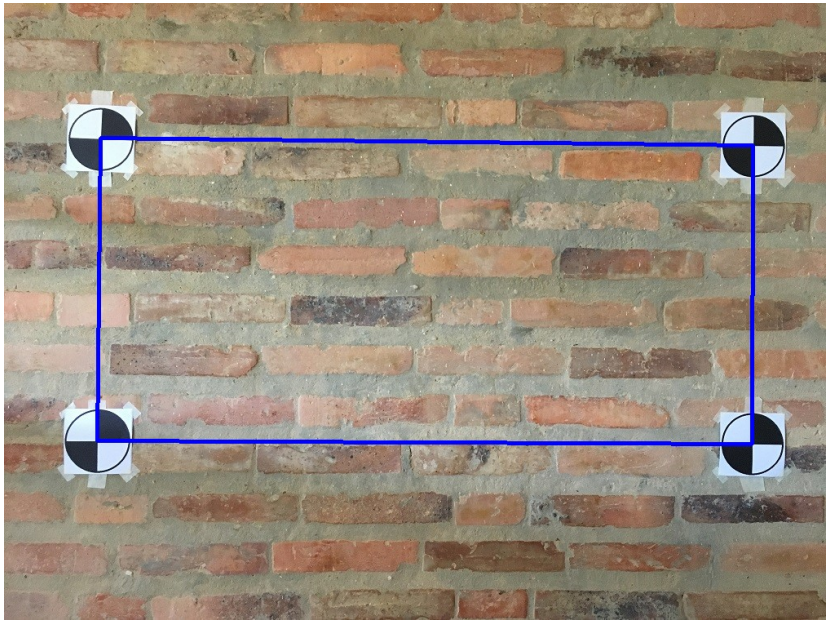
ps3-1-a-2

1: Marker detection (cont.)

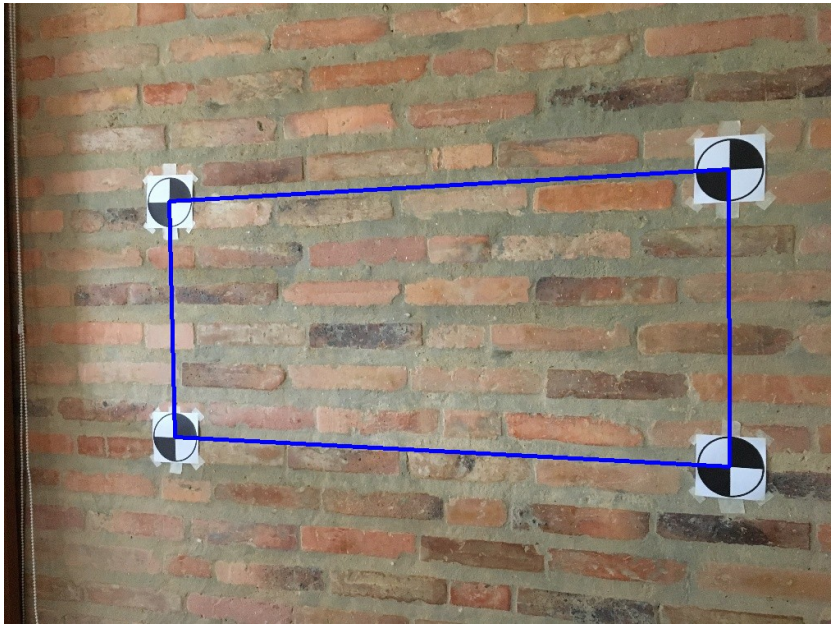


ps3-1-a-3

2: Marker detection (wall scene)

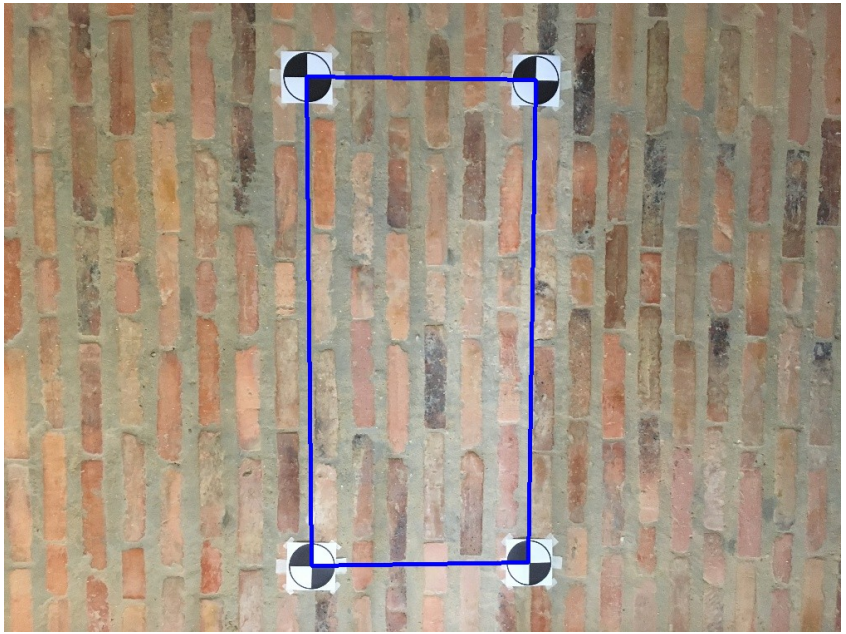


ps3-2-a-1

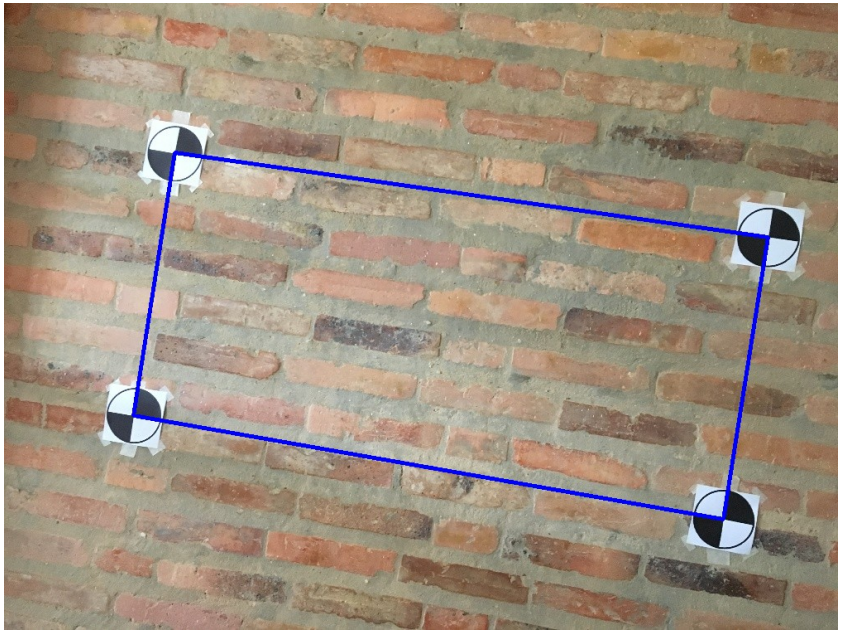


ps3-2-a-2

2: Marker detection (wall scene)

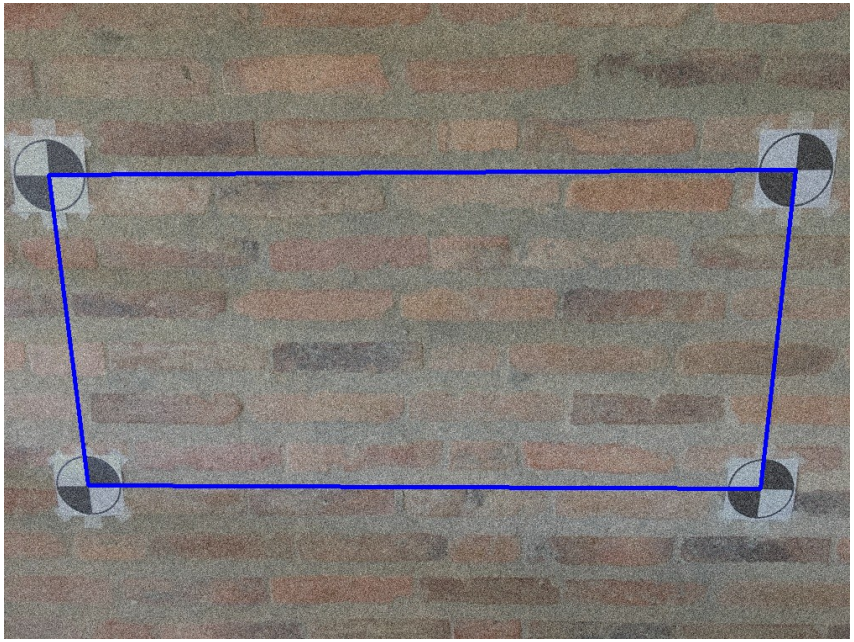


ps3-2-a-3



ps3-2-a-4

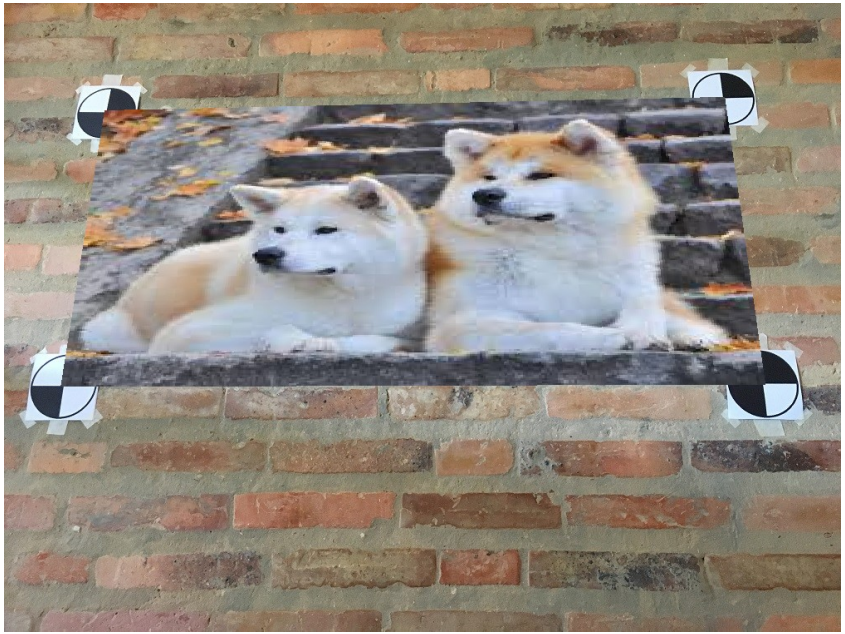
2: Marker detection (wall scene)



ps3-2-a-5

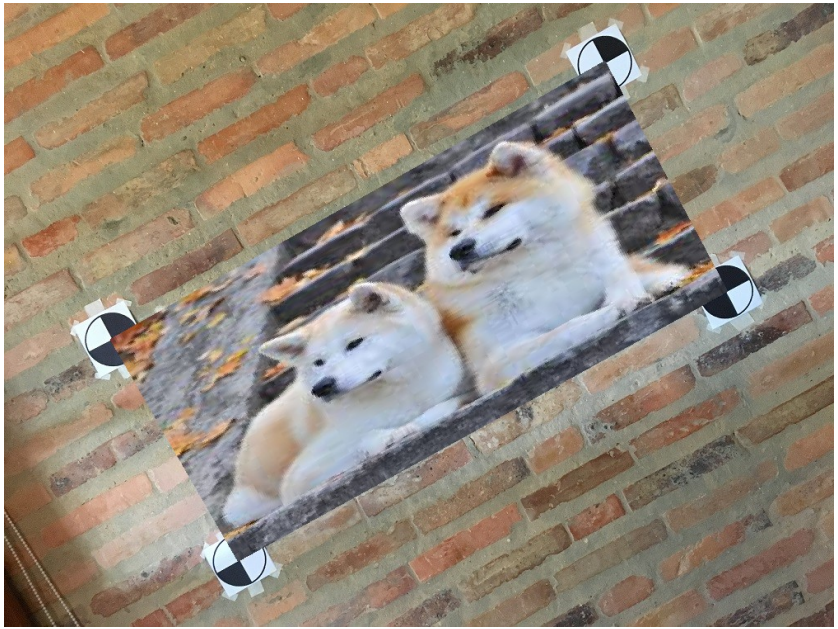
3: Projective Geometry

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.)

Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/sbuv69aixgxc6xa/ar_4-a-ps3-4-a.mp4?dl=0

ps3-4-a-3

4: Markers in Video (cont.)

ps3-4-a-4

ps3-4-a-5

4: Markers in Video (cont.)

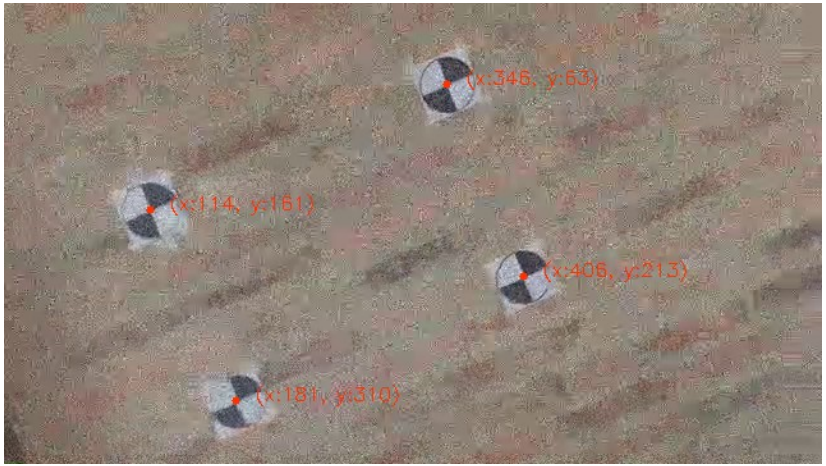
Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/alk5hpr5djlhc2j/ar_4-a-ps3-4-b.mp4?dl=0

ps3-4-a-6

4: Markers in Video

ps3-4-b-1



ps3-4-b-2

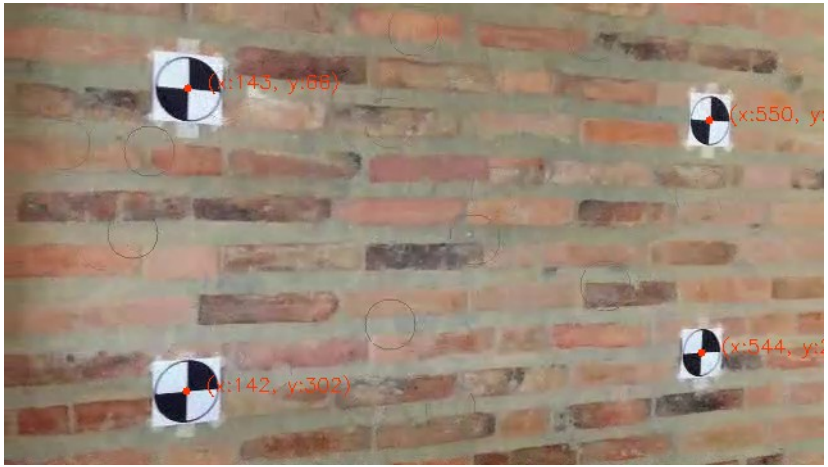
4: Markers in Video (cont.)

ps3-4-b-3

Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/ugcmzany4l3yaaq/ar_4-b-ps3-4-c.mp4?dl=0

4: Markers in Video (cont.)



ps3-4-b-4

ps3-4-b-5

4: Markers in Video (cont.)

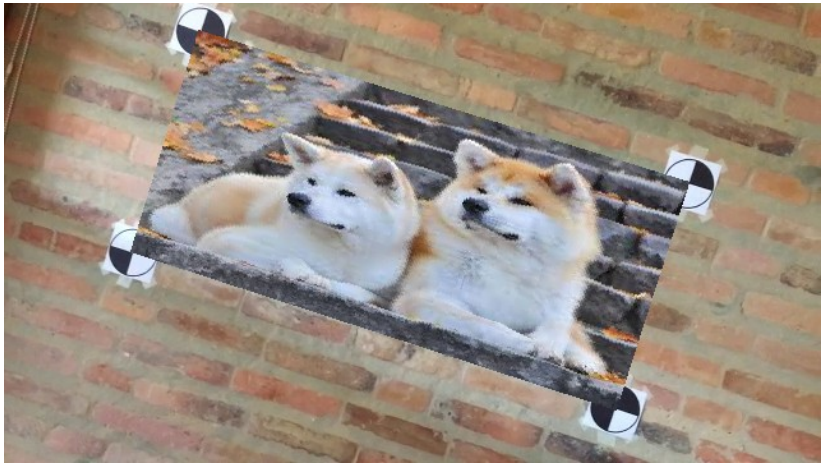
Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/0p97dgdhpf1ejoq/ar_4-b-ps3-4-d.mp4?dl=0

ps3-4-b-6

5: AR in Video

ps3-5-a-1



ps3-5-a-2

5: AR in Video (cont.)

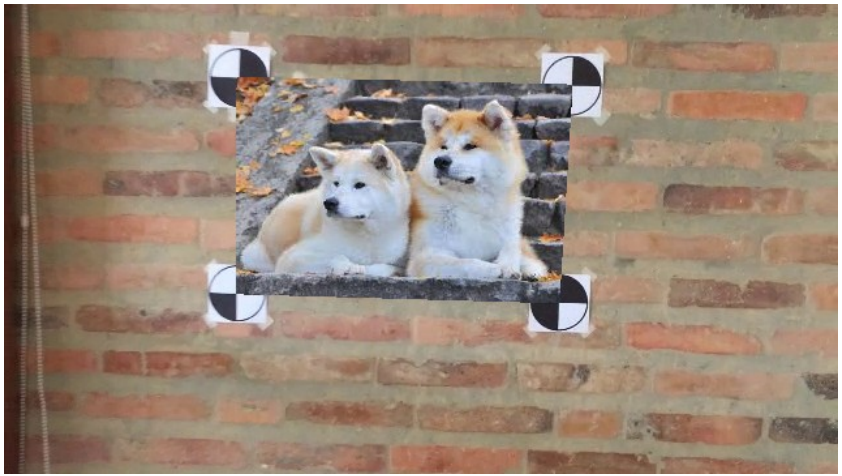
Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/0mtx7buou1miplh/ar_5-a-ps3-4-a.mp4?dl=0

ps3-5-a-3

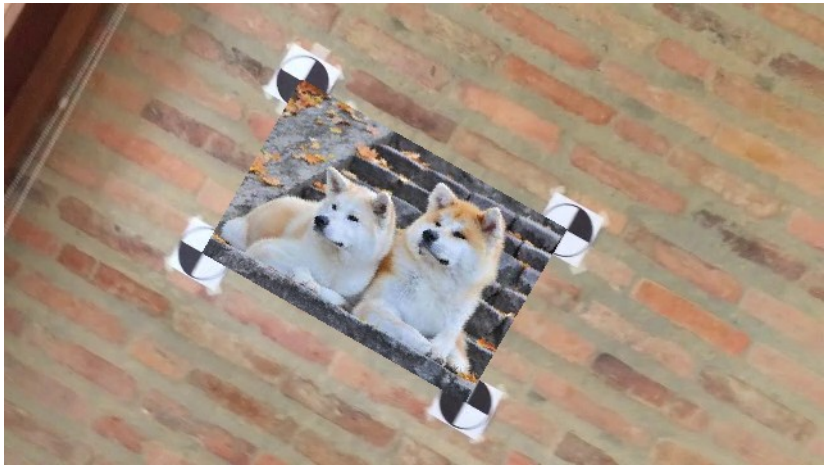
4: AR in Video (cont.)

ps3-5-a-4



ps3-5-a-5

5: AR in Video (cont.)



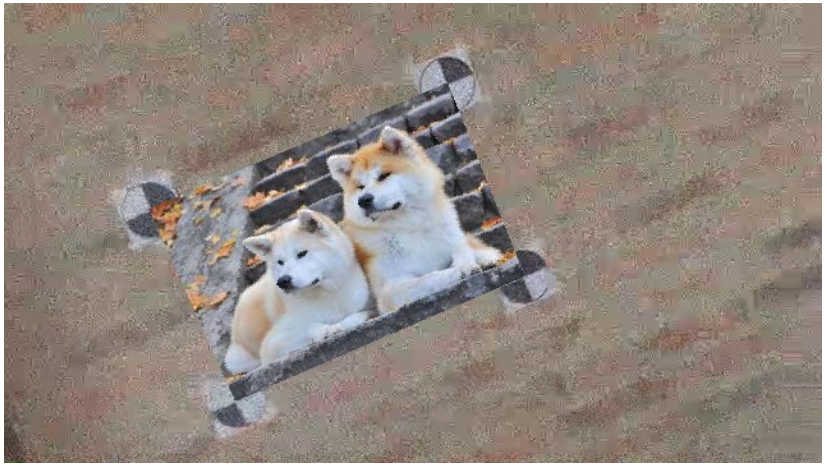
Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/platpc69y35w0a4/ar_5-a-ps3-4-b.mp4?dl=0

ps3-5-a-6

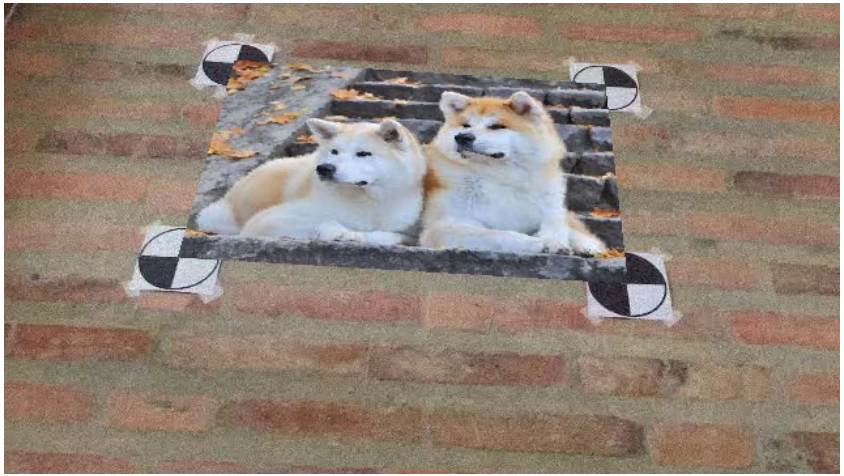
5: Markers in Video

ps3-5-b-1



ps3-5-b-2

5: Markers in Video (cont.)

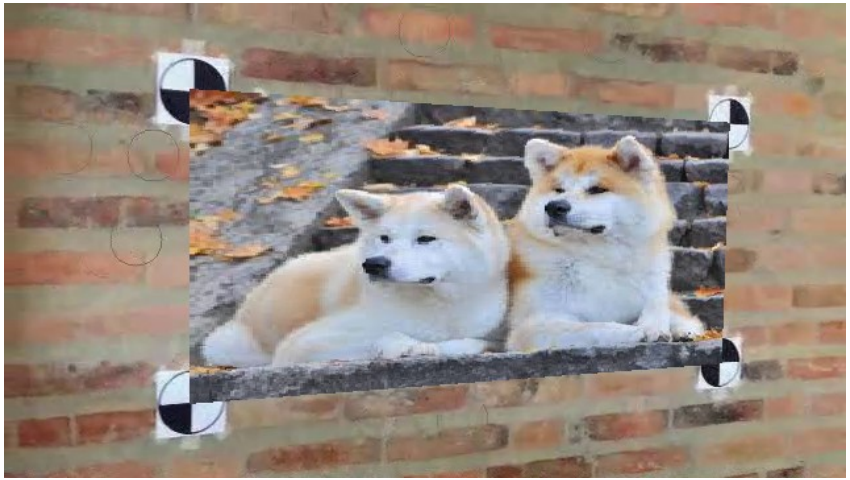


Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/u1ut1zbn0shhmdy/ar_5-b-ps3-4-c.mp4?dl=0

ps3-5-b-3

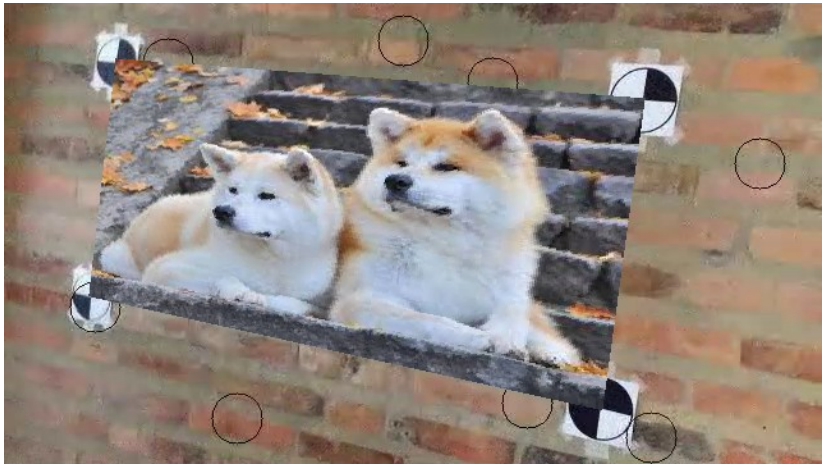
5: Markers in Video (cont.)



ps3-5-b-4

ps3-5-b-5

5: Markers in Video (cont.)



ps3-5-b-6

Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/8bl18ycqtw10rrg/ar_5-b-ps3-4-d.mp4?dl=0

6: Video in Video

ps3-6-a-1

ps3-6-a-2

6: Video in Video (cont.)

Youtube / Dropbox / etc. link:

https://www.dropbox.com/s/9b5ochaptgbt47t/ar_6-ps3-4-a.mp4?dl=0

ps3-6-a-3