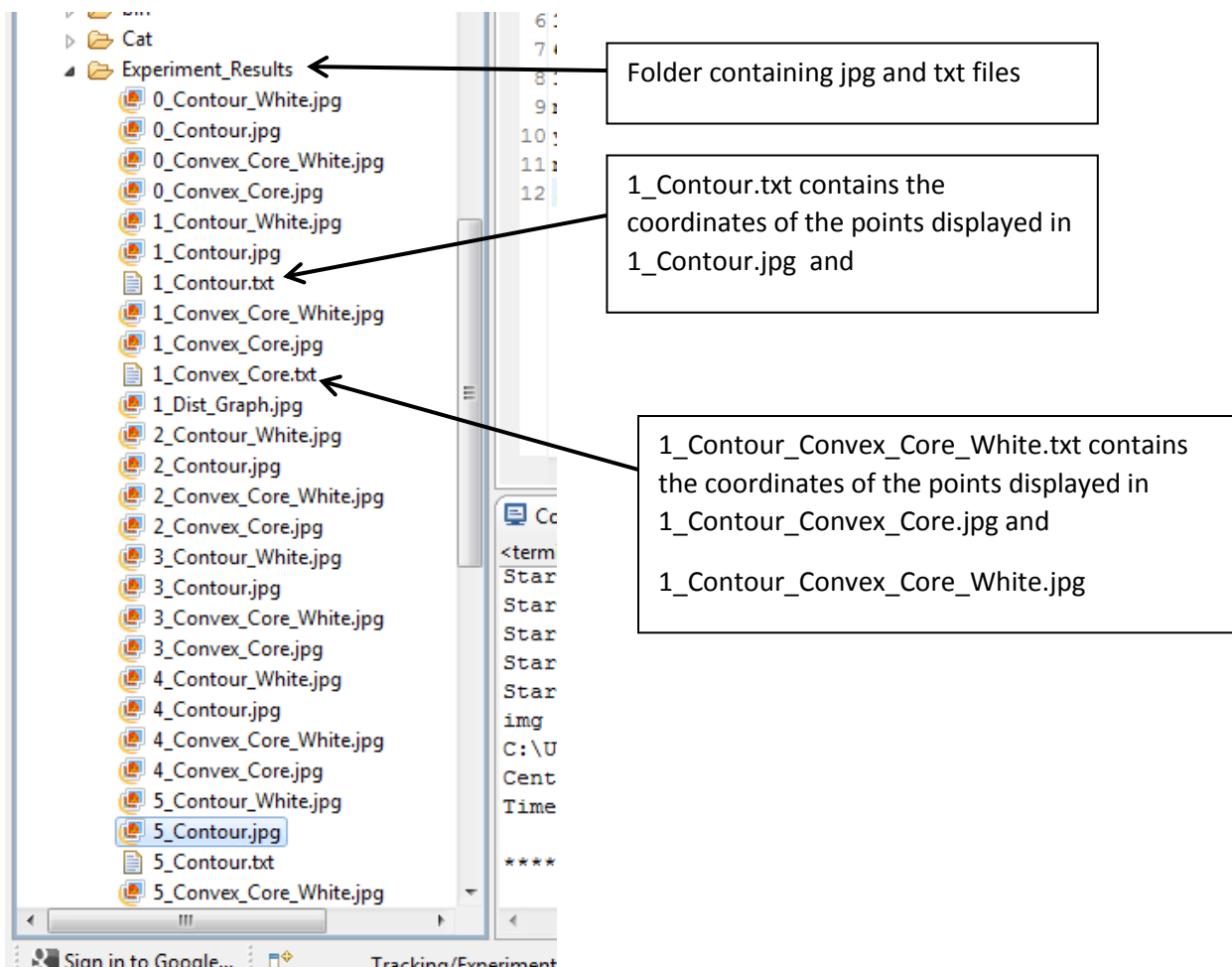


Report for implementation changes Aug 3 2013:

List of changes:

1. Coordinates of the points get saved in a file
For an image for which we are detecting the outline and convex core, now “.txt” file gets created where we save the number and coordinates of all points. The files get saved in the “Experimental_Results” folder, just like the images they represent. Also, the files carry the exact same name as the images they represent, except they end on “.txt” instead of “.jpg”.

Demo:



2. Added an option to display the number of each point on the image.
Since it is hard to determine which coordinates apply to which point, I added a feature to display the number of each point in the image. This requires adding a new option to each feature file:

Parameter file (located in folder Param_Files)

Parameters Present from before

New parameter (can take values "y" and "n")

```
1 C:\Users\Nona\workspace\Tracking\Cat\c5
2 61
3 55
4 10
5 10
6 10
7 62
8 1
9 n
10 y
11 n
12 ...
```

```
1 C:\Users\Nona\workspace\Tracking\Cat\c5
2 61
3 55
4 10
5 10
6 10
7 62
8 1
9 n
10 y
11 y
12 ...
```

Two ".txt" files generated

Two ".txt" files generated

```
*.txt
1 Number of objects detected: 1
2
3 Object #1
4 1: (112, 55)
5 2: (108, 55)
6 3: (109, 55)
7 4: (93, 55)
8 5: (92, 55)
9 6: (93, 55)
10 7: (77, 55)
11 8: (75, 55)
12 9: (73, 55)
13 10: (72, 55)
14 11: (70, 55)
15 12: (69, 55)
16 13: (67, 55)
17 14: (65, 55)
18 15: (63, 55)
19 16: (62, 55)
20 17: (60, 55)
21 18: (58, 55)
22 19: (56, 55)
23 20: (54, 55)
24 21: (52, 55)
25 22: (42, 55)
26 23: (40, 55)
27 24: (37, 55)
28 25: (26, 55)
29 26: (25, 55)
30 27: (24, 55)
31 28: (23, 55)
32 29: (22, 55)
33 30: (21, 55)
```

```
5_Convex_Core.txt
1 Number of objects detected: 1
2
3 Object #1
4 1: (108, 60)
5 2: (93, 60)
6 3: (70, 60)
7 4: (40, 60)
8 5: (22, 60)
9 6: (53, 60)
10 7: (61, 60)
11 8: (69, 60)
12
```

```
*.txt
1 Number of objects detected: 1
2
3 Object #1
4 1: (112, 55)
5 2: (108, 55)
6 3: (109, 55)
7 4: (93, 55)
8 5: (92, 55)
9 6: (93, 55)
10 7: (77, 55)
11 8: (75, 55)
12 9: (73, 55)
13 10: (72, 55)
14 11: (70, 55)
15 12: (69, 55)
16 13: (67, 55)
17 14: (65, 55)
18 15: (63, 55)
19 16: (62, 55)
20 17: (60, 55)
21 18: (58, 55)
22 19: (56, 55)
23 20: (54, 55)
24 21: (52, 55)
25 22: (42, 55)
26 23: (40, 55)
27 24: (37, 55)
28 25: (26, 55)
29 26: (25, 55)
30 27: (24, 55)
31 28: (23, 55)
32 29: (22, 55)
33 30: (21, 55)
```

```
5_Convex_Core.txt
1 Number of objects detected: 1
2
3 Object #1
4 1: (108, 60)
5 2: (93, 60)
6 3: (70, 60)
7 4: (40, 60)
8 5: (22, 60)
9 6: (53, 60)
10 7: (61, 60)
11 8: (69, 60)
12
```

```
Console
<terminated> JIP (1) [Java Application] C:\Program Files\Java\jre7\bin\javaw.exe (Aug 3, 2013 10:27:36 PM)
Starting our pointer in file!
```

Image files generated.

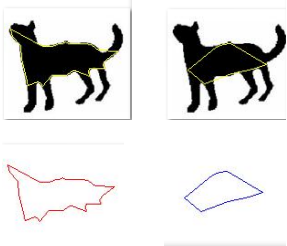
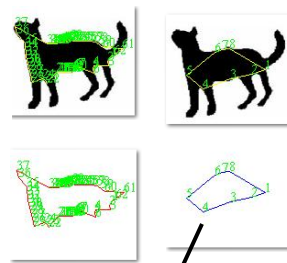
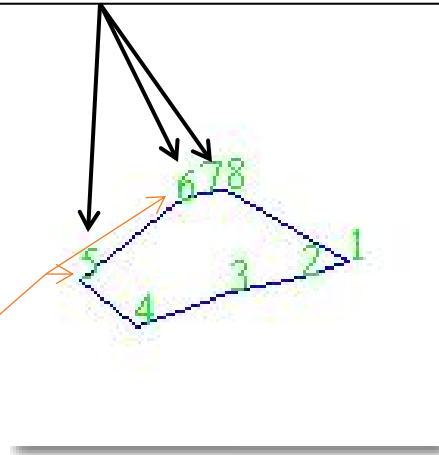


Image files generated.



The number of each point (as it is numbered on the appropriate "txt" file.



```
5_Convex_Core.txt X
1 Number of objects detected: 1
2
3 Object #1
4 1: (108, 60)
5 2: (93, 60)
6 3: (70, 60)
7 4: (40, 60)
8 5: (22, 60)
9 6: (53, 60)
10 7: (61, 60)
11 8: (69, 60)
12
```