

## Çağrı Erciyes:

I couldn't do anything except the group presentation this week because of the workload.

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## İlke Çuğu:

I have gathered 96 "Ayva" photos by shooting and prepared the presentation.

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## Eren Şener:

I started to work on Burak's code on background extraction. I tested on several photos. Early results are good but there is a little bit noise in some photos. It will be eliminated until Friday.

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## Burak Balcı:

I implemented the Hu's Invariant Moments. As a result of this computation, we now obtain four moments in other words four dimensional feature vectors. These moments should be experimented separately and jointly to determine the combination which gives the most accurate recognition result.

Then, I worked on my past works to enhance them and make them ready to use. In center-contour distance feature work, I sampled contour points according to angle of lines joining the centroid to the contour points. From 0 to 360 in each 10 degree that I see as an optimum sampling rate to define the shape, they are sampled in order to obtain fixed length feature vector. Also, to optimize the corner points number feature, I adjusted 2 variables in the Matlab function in an empirical way.

Now, including 1 corner point numbers, 4 invariant moments and 36 center-contour distances, we have 41 dimensional feature vectors as the combination of these three approaches.

Finally, presentation works.

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## Emre Akın:

- I have added third tab to the android application so that user can be able to see what s/he has taken photo from his camera. Basically, when user takes a photo from his camera, I am saving the image to the "Payinekereg" directory. And when user opens the third tab, we are showing pictures in the "Payinekereg" directory.

- Also, I have changed animation in the second tab. Last week, when user clicks on the leaf image, I was opening pop-up and animates, then show the tree image related with that leaf. Now, when user clicks on the leaf image, it rotates directly.

However, there is a problem. For now, this feature works for only first item in the listview. I will fix it soon.

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