

## Çağrı Erciyes:

I am trying to develop multiresolutional image analysing techniques by using Matlab image processing library functions.

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## İlke Çuğu:

Caffe is fine-tuned with 1600+ leaf images to identify 23 classes. Early test results for 7 leaves can be found at "results\_without\_segmentation.txt", and in order to observe the effect of segmentation, one can examine "results\_with\_segmentation\_incir.txt" at Task #658 of Openproject.

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## Eren Şener:

I was going to implement machine learning algorithms (firstly SVM) on features extracted from Caffe. Since I had lots of homework and exams, I didn't get any significant progress on these. I will continue next week.

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## Burak Balcı:

I am looking for what i can do by using multiresolution image analysis. Also, when i am reading a paper, I find another shape descriptor that I think it is very useful. It is "Hu's moment invariants" which is invariant to translation, rotation and scaling [1]. It is also very simple to implement and use.

[1]<https://thesai.org/Downloads/Volume2No10/Paper%207-Plant%20Leaf%20Recognition%20using%20Shape%20based%20Features%20and%20Neural%20Network%20classifiers.pdf>

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## Emre Akın:

- I have added custom rotation feature to the tree images. When user clicks on the leaf image in the listview, dialog alerts scene is opening (\* as shown in screen shot). And every time when user clicks next or previous image button, animation restarts to the right or left.

- Also, I have researched custom camera fragment. I have found some solutions, and tried it in another application. It is working, but next week or in the second semester (because I need to work on client-server in the second and third week) I will fix it and adapted to the our application.

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