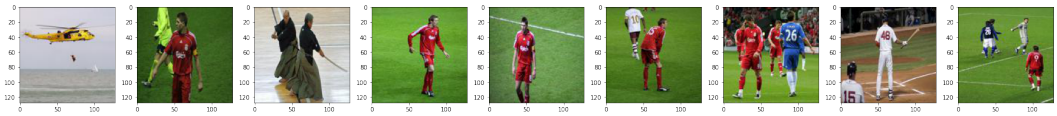
Q2.

1. Reading the images. I have read all the pixels , its location and the centre of the images into a list of list.

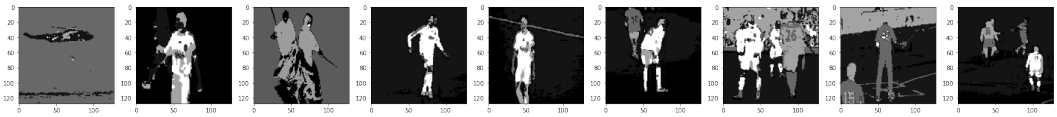


ORIGINAL IMAGE

2. The centre of the image is computed using the moments concept of openCv.

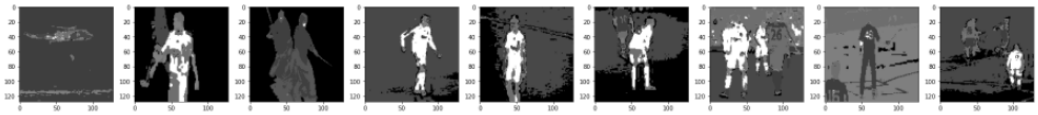
3. Clustering of these pixels have been done on 6 cluster and the the 3 cue are being computed.

4. Contrast cue has been computed as per the research paper and below are the results:



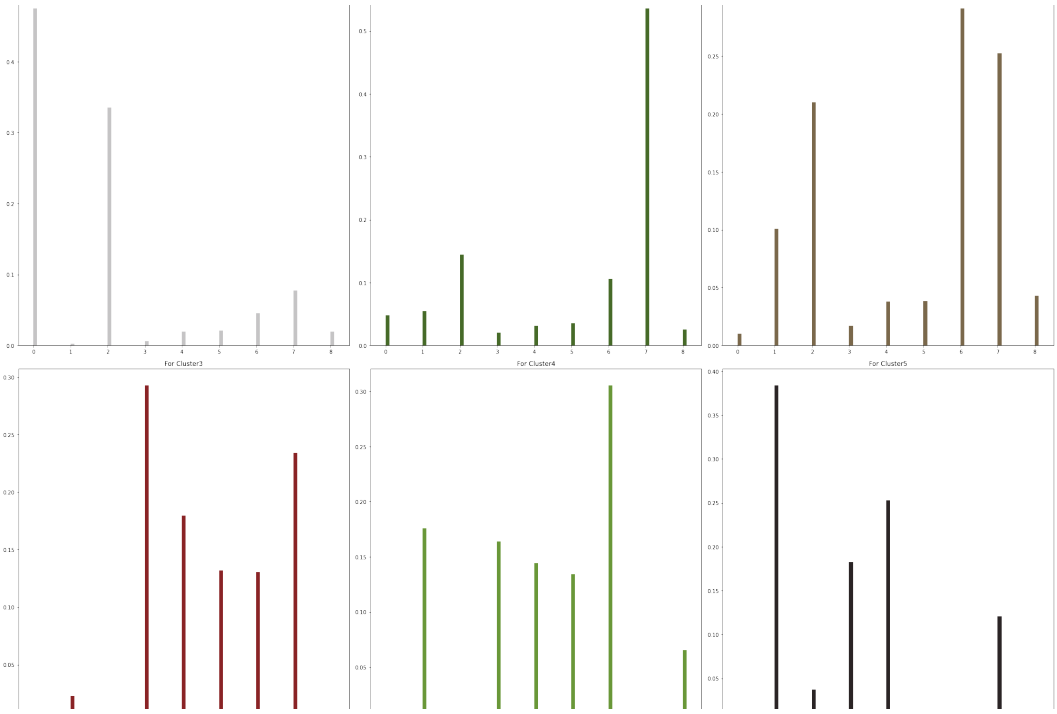
CONTRAST CUE

5. Spatial cue has been computed as per the research paper and below are the results:

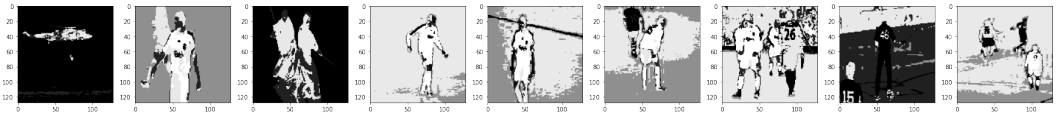


SPATIAL CUE

6. Corresponding cue has been computed as per the research paper and below are the results:

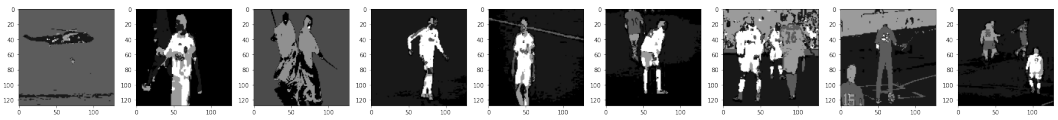


CORRESPONDING HISTOGRAM



CORRESPONDING CUE

7. Co-saliency has been computed by the product of above three.

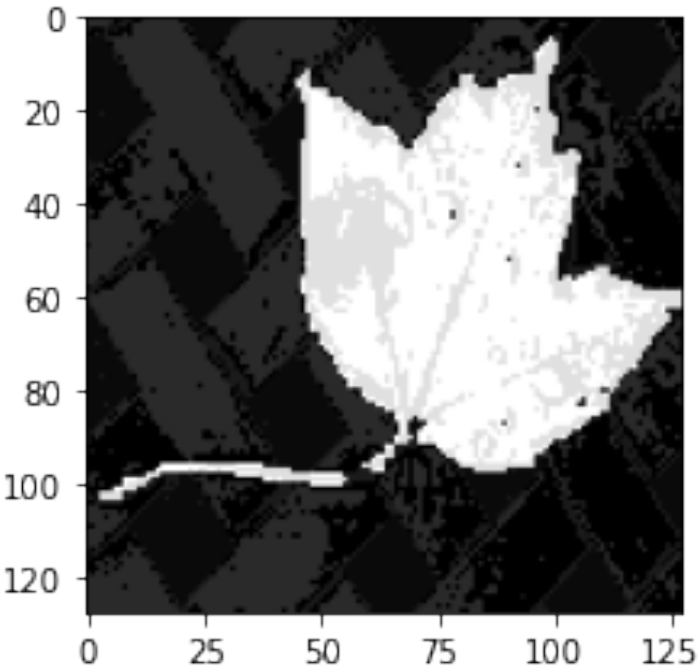


CO-SALIENCY

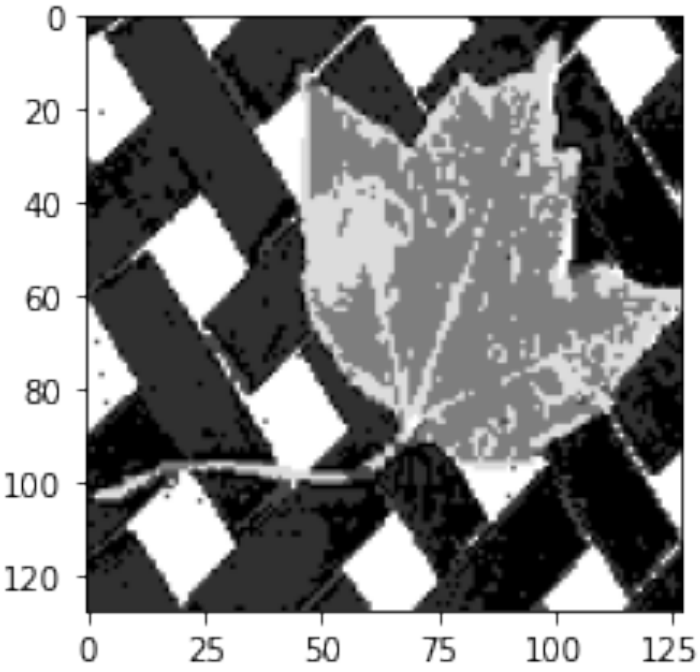
8. Smoothening has been performed on the co-saliency as per the paper.

9. For Leaf image got the below results.

ORIGINAL IMAGE



LEAD SPATIAL



LEAF CONTRAST CUE

Running the code:

1. Please use the ipynb file attached to run the code.
2. The dataset has been attached for the results.
3. All inputs and outputs are in the folder of question 2.
4. For single image also the contrast and spatial cue realist are attached.