

CSE 5524 HW7

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1)

Input Image:



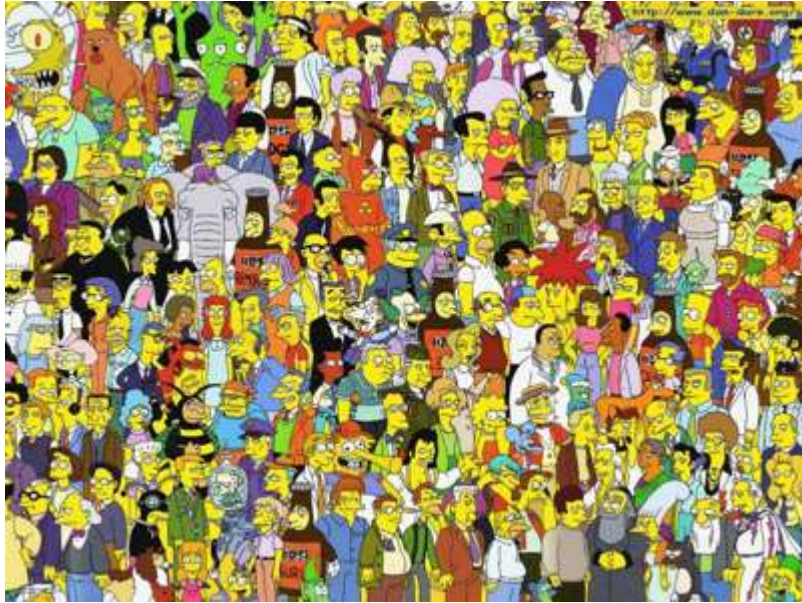
Result & Discussion:

All the SLIC superpixel segmentation results with different target number of superpixels and compactness can be found in the directory "task1". I set different target number of superpixels in {25, 50, 75, 100} and different compactness in {1, 10, 25, 100}.

As we can see, as target number of superpixels increases, the segmentation becomes finer. Meanwhile, higher compactness gives more weight to space proximity, making superpixel shapes more square.

2)

Input Image:

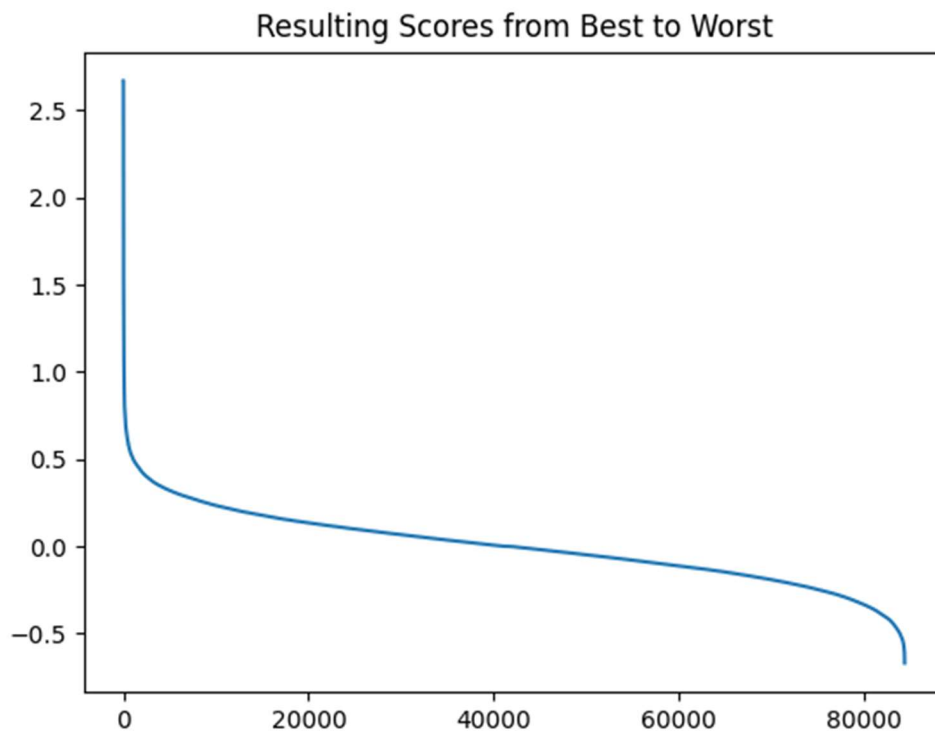


search



template

Result:



the 1st best match



the 2nd best match



the 5th best match



the 10th best match



the 100th best match



the 500th best match



As we can see, matches that are not the best tend to have offset according to the best match.