

Assignment 2: Edge and boundary detection (Hough transform and SNAKE)

Due time: March 22th, 2023, 11:59 pm

For given images (grayscale and color)/you may run on other images

A) Tasks to implement

1- For all given images; detect edges using Canny edge detector, detect lines, circles, ellipses located in these images (if any). Superimpose the detected shapes on the images.

2- For given images; initialize the contour for a given object and evolve the Active Contour Model (snake) using the greedy algorithm. Represent the output as chain code and compute the perimeter and the area inside these contours.

B) Report all of the above to TA's (One Zip file including report, codes, results, etc).

