

HW project 2 – find the chocolate

Pick your favourite chocolate or snack (must be a planar object)

Make 4 photos of the object in different environments

Make a template photo of the object (mark the coordinates of the corners)



HW project 2 task description

1. Compute saliency maps (all algorithms from class): SM
2. Make a chocolate map CM: use SIFT and RANSAC to locate the chocolate in the image, use `poly2mask()` to make a map, blur the map. Devise a normalization procedure for CM.
3. For each saliency mask, combine SM and CM (try different values of w): $\text{finalSM} = w \cdot \text{SM} + (1-w) \cdot \text{CM}$

HW project 2

Hand in:

code

images (SMs, CM, finalSMs)

PDF with report on CM normalization and discussion about finalSMs

Due date:

Before class in two weeks

Send a link to a zipped file to my e-mail