

CS 6327 Video Analytics Assignment 1

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Due - Jan 27th, 2016

Only submission on eLearning is accepted.

Description:

Given an image with various fruits (Fig. 1), please:

1. Generate three different images by adjusting the brightness of each pixel in the original image by +10, +50, +100.

Answer :



a) regular Image

b) +10 Bright

c) +50 Bright

b) +100 Bright

2. Convert each image from RGB to HSV color space.

Answer :



HSV Format of

a) regular Image

b) +10 Bright

c) +50 Bright

b) +100 Bright

3. Find the “oranges” in each image using both of the following methods and mark the orange area as white in the dark background. Methods to be used:
- Object detection based on color in RGB domain
 - Object detection based on color in HSV domain

Answer :

a.

