HW#2

Q6) Harris Corner detection is invariant to votation due to the fourt that after image how been votated arner Response R remains some because eigen values remain unchanged of Conic
= C B CXY)T
whole A-fx2 x Gr(u,v) B= Fx2 x Gr(u,v) C= fxfx x Gr(u,v)
white on other hand Harris Gras Detection is non-invariant to image Scale its Due to the fact that if Sliding window to Glade intensity remains which med after scaling, all Graness points are will be classified as edges without that then Graness to solve this, we have to find siding window length acarding to the varior of image Braked. Furthermore Harris Detection is partial intensity changes [intensity shift, intensity Scaling]

Intensity shift is invavious because IIItb Eadding Enstant Values to image will still remain invaviant because the derivatives calucular on x and y axis will vomain Unchanged, as the difference between adjacent pixels vernains same. on the other hand Intensity shift is non Varient: I tat occarse the difference between pixel is changed and the throshold to compare & will not be satisfied to quality some points 95 Grness if points are scaled. to handle the following problem we will need to fine type to Region of an image is Considered salient when corner Response (R) is Very high.
[Patch entropy and vate of Change in gradent