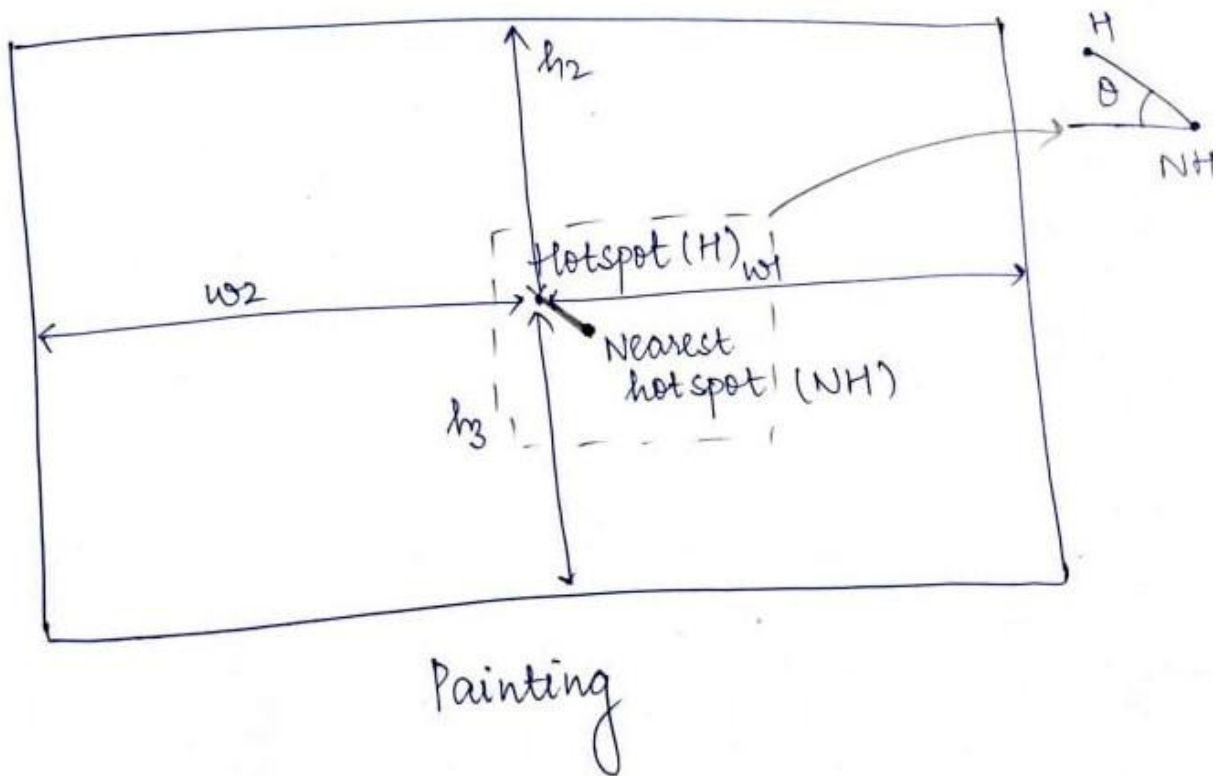
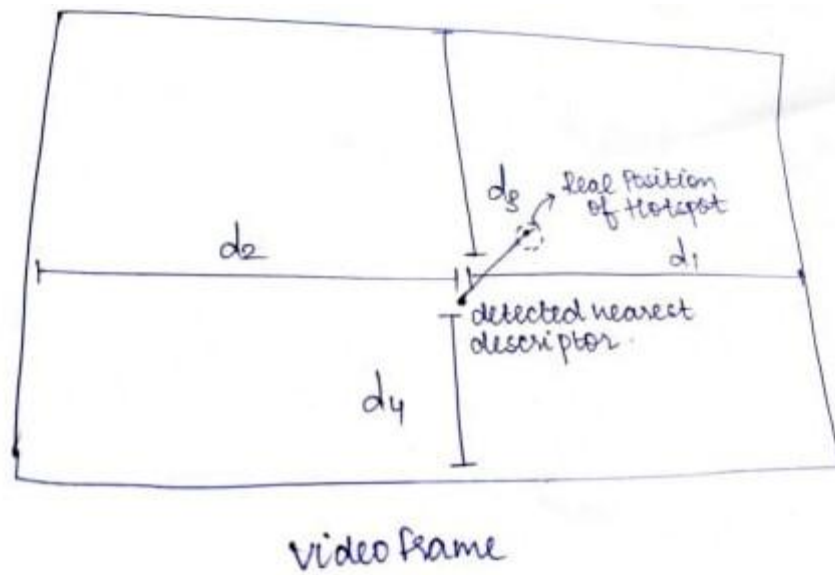


Hotspot Detection

Tuesday, 20.04.2021

Hotspot Detection





```

d1 = pointLineDis(p,[point1[2][0], point1[3][0]])
d2 = pointLineDis(p,[point1[1][0], point1[0][0]])
d3 = pointLineDis(p,[point1[2][0], point1[1][0]])
d4 = pointLineDis(p,[point1[3][0], point1[0][0]])

# taking the weighted average of the height to calculate the position of
#the hotspot on the video frame

h = ( d1*h2 + d2*h1 )/(d1 + d2)
w = ( d3*w1 + d4*w2 )/(d3 + d4)

x2 = int((point[i][0] - p[0])*(h/h3) + point2[0])
y2 = int((point[i][1] - p[1])*(w/w3) + point2[1])

```

Algorithm

