

<i>)</i>	210	65	易
	65	cf S	250
	55	223	2/6
(

$$A = -(210 \times 1 + 65 \times 2 + 55 \times 1)$$

$$+ (55 \times 1 + 25 \times 2 + 216 \times 1)$$

$$= 376$$

$$DY = (210 + 2 \times 65 + 55) - (55 + 223 \times 2 + 216)$$

$$= -322$$

6)
$$UDN = \sqrt{(376)^2 + (-322)^2} = 495$$

$$\theta = \tan \left(\frac{-322}{376} \right) = 30.57$$

makes sense

wight wormal to the

anny of (2(1) (x) g(24) her & g(23) 1st derivative of Garssian (E) no of and offwer. since we already Know of z only (1 conv.) instead of two (conv.) (less computations) (a) Gaussian filters new-Pixel = (45 x 0,204 + 0.124*(65+65+223+250)+ 0.075 * (210+55+55+216) bod for (Bluring the edge) edges for

from slides at just the basic concepts of and the different weight during averaging C) Adaptive Median & please solve and send Me (Q3) a) LoG

g"

When convolves

Respondence to the scale of the scal With a blob of some scale fractures

an extreme value & when a for from d -> Gives of zero.

(b) DoG for g(ko) smoll sale

(4) 50, for each blob 5 tale we subfroot f & g (K * 0) - f & g (K * 0) => Gives blobs at a different Scale, then we reside image and repent © tre shown figure Gives only 8 different blobs scales. (d) G(u,v) = H(u,v). F(u,v) + distortion N(u,v) eg. blue Assistive Nogse by H(U,V) $f(u,v) \leq F(u,v) + \frac{N(u,v)}{f(u,v)}$ this, s in frequedownin THE IFFT (F(U,V)) -> f(x,y)

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