<u></u>	
<u>_</u> Q	$g = h \star l$
R	Apply DFT, G(M) = H(M) F(M)
G G	$G(\mu) = H(\mu) F(\mu)$
<u> </u>	=> == == == == == == == == == == == == =
	$\Rightarrow F(\mu) = G(\mu)$
E	Again When H(H) = 0, F(H) will shoot up
Just h	H(.) is a convolutional ternal
	Such that g(x) = f(x+1) - f(x)
	fog 1 < 21 < N
n d	Applying DFT, we know that $G(\mu) = (e^{j2\pi\mu} - 1) F(u)$
	$\frac{4(\mu)}{2(e^{-N\mu}-1)}F(u)$
	$\rightarrow$ $E(u) = C(u)$
	$\Rightarrow F(\mu) = G(\mu)$ $(e^{j2\pi\mu} - 1)$
	Hence for $\mu=0$ , $F(\mu)$ shoots up
	To solve this, we need to assume some
	boundary condition
	(N+1) = 0
	Then stanting from the rightmost pixel N
	obtain f(:) by reverse integration
	For the 2D images, we have
	$6x (\mu, \sigma) = H_{x} (\mu, \sigma) = (e^{\frac{j2\Pi\mu}{N}} - 1)F(\mu, \sigma)$ $6y (\mu, \sigma) = H_{y} (\mu, \sigma) F(\mu, \sigma) = (e^{\frac{j2\Pi\mu}{N}} - 1)F(\mu, \sigma)$
	$\frac{1}{2}\left(\frac{1}{2}\left(\frac{1}{2}\right)^{2}-\frac{1}{2}\left($
	1 (M, 0) - 1 (M, 0) - (M, 0) - (M, 0)
	Knowing Gx, $\mu=0$ - shoot up  Knowing Gy, $\sigma=0$ - shoot up
	Nowing by

Hence, we can kewrite as:	
F(4,0) = 16x - Gy	
Ma - Hy	
Hence even when j=0, 5 \$0 won't she	ot up
Similarly 0 = 0 / 1=0 won't shoot	φ
Similarly o = 0, \u00f4 0 won't shoot of But \u00e4 = 0 and o = 0 will still be proble	ematic
Merc the use of integration based on b	oundary
conditions will be ineffective because	
integration across rows (fx) will be	
inconsistent with integration across colum	ns (h)
	00
4/126/	
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