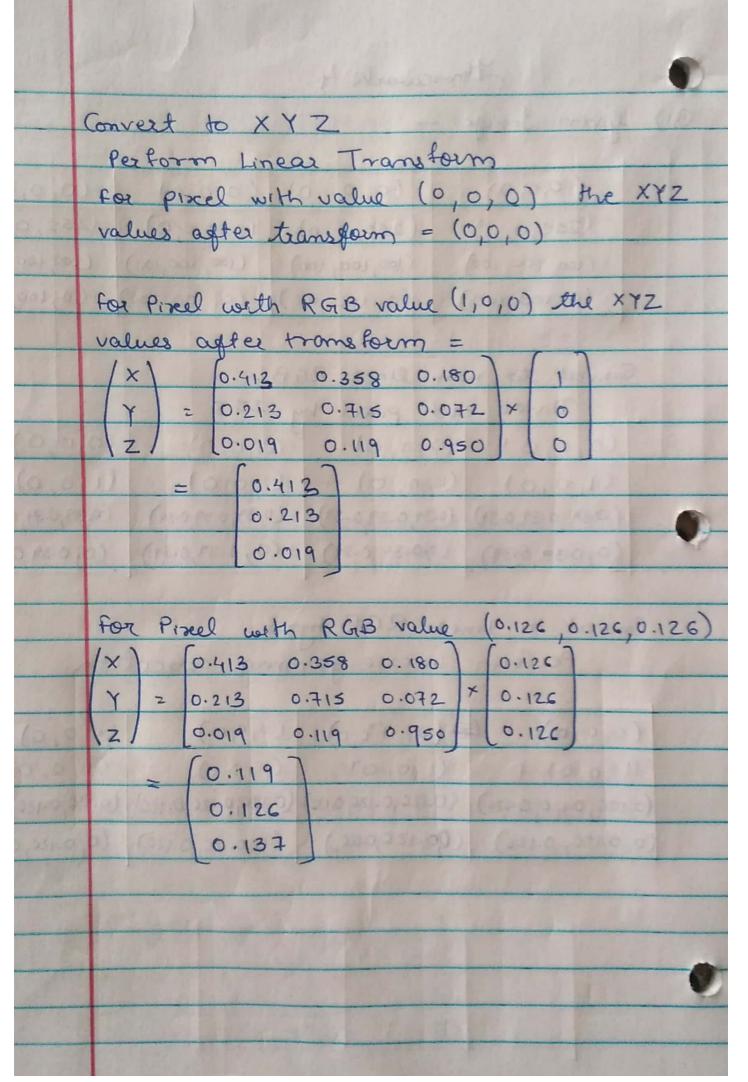
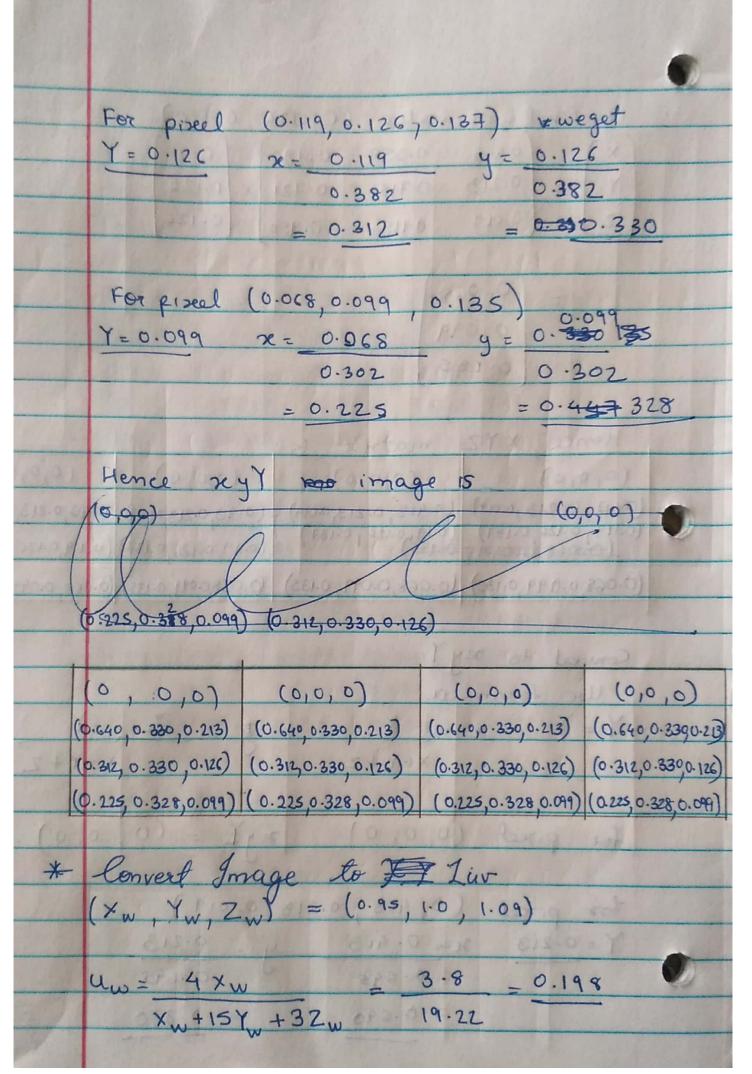
	Homework 4											
31>	given Imag			1	X JULIE							
			George E									
8.6	(0,0,0)		(0,0,0	)/	(0,0,0)	(0,0,0)						
	(255,0,0)	(255, 0, 0)			(255,0,0)	(255,0,0)						
	(100, 100, 100	9)	(100,100,100	_	(0, 100, 100)							
	(0,100,00	)	(0,100,10	(0,100,100)								
The state of the s												
	Convert to non-linear RGB.											
	Divide each pixel by 255											
	(0,0,0)	(0,0,0)			5,0,0)	(0,0,0)						
366	(1,0,0)				0.39,0.39,0.39)	(1,0,0)						
-	(0.39,0.39,0.39)	The same of	39,0.39,0.39)		0,0.39,0.39)	(0,0.39,0.39)						
	(0,0.39,0.39)		10.39,0.39)									
	and the Olive		RaB by		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2711						
13310	envert to Li	n-cc	70376 90W	7	na correct	100						
	1010111				81810							
1	0,0,0)	e (	0,07,0)	(	0,0,0)	(0,0,0)						
	1,0,0)	-	10,0)		(,0,0)	(1,0,0)						
(0	.126, 0.126, 0.126)	(0.	126,0.126,0.126)			(0.126,0.126,0.126)						
	0.126, 0.126)	(00	.126,0.126+)	(	0,0.126, 0.126)	(0,0.126,0.126)						
0												
The second second second				-								



	For Pixel	l with	value (	3,012	6,0	.126)						
	(x)	0.413			1	[0]	8					
	Y		0.715									
	2	6.019	0.119	0.950		0.126						
		0.00	8	3.35%	1	Louis a sa	7					
	2 P 2 2 0	0.0	99	3		P.P.O. 0						
	1008.0	0.18		0								
	1440		1111 2 9.8	. 1								
	Hence.	XYZ	matrix	15								
			(0,0,0)		11	0,0,0)	(0,0	(0,0				
6	(0.413, 0.213	,0.019)	(0.413, 0.213,	0.019)		13,0.213,0.019)						
	(0.119, 0.126,	0.137)	(0.19,0.126,0.1 0.135)	34)	(0.119	1,0.126,0.137	(0.119,0.12	26,0,137)				
		0.068,0.099,0.135) (0.068,0.099,0.135) (0.068,0.099,0.135) (0.068,0.099,0.135)										
			- (30,00000				. C. and and and					
	Convert	to re	7									
60.0			la	aids		pa all	915					
			z X				Y					
100684	Support Cours		X+Y+Z	costs.	0	248,059-0	x +Y + Z					
	d est () (100 a	44-0,251	01 (1830, 30)	20300	0)10	1960 912103	(0.03					
	for pix	eel (	0,0,0)	7	cyx	= (0,	0,0)					
			6 13				3-11-6					
	for pin	cel (	0,413,0	.213	0.0	19)						
-	Y = 0.21		2 0.413	4		0.213						
	FFIS		0.645		,	0.645	13					
		3.5	= 0.640	TEL	=	0.330						
	A Trade of the last					The second second						



$$V_{\omega} = 9Y_{\omega} \qquad 0.468$$

$$X_{\omega} + 15X_{\omega} + 32\omega$$

For pixel \$\( (0,0,0) \)
$$t = 9Y_{\omega} / Y_{\omega} = 0$$

$$L = 0$$

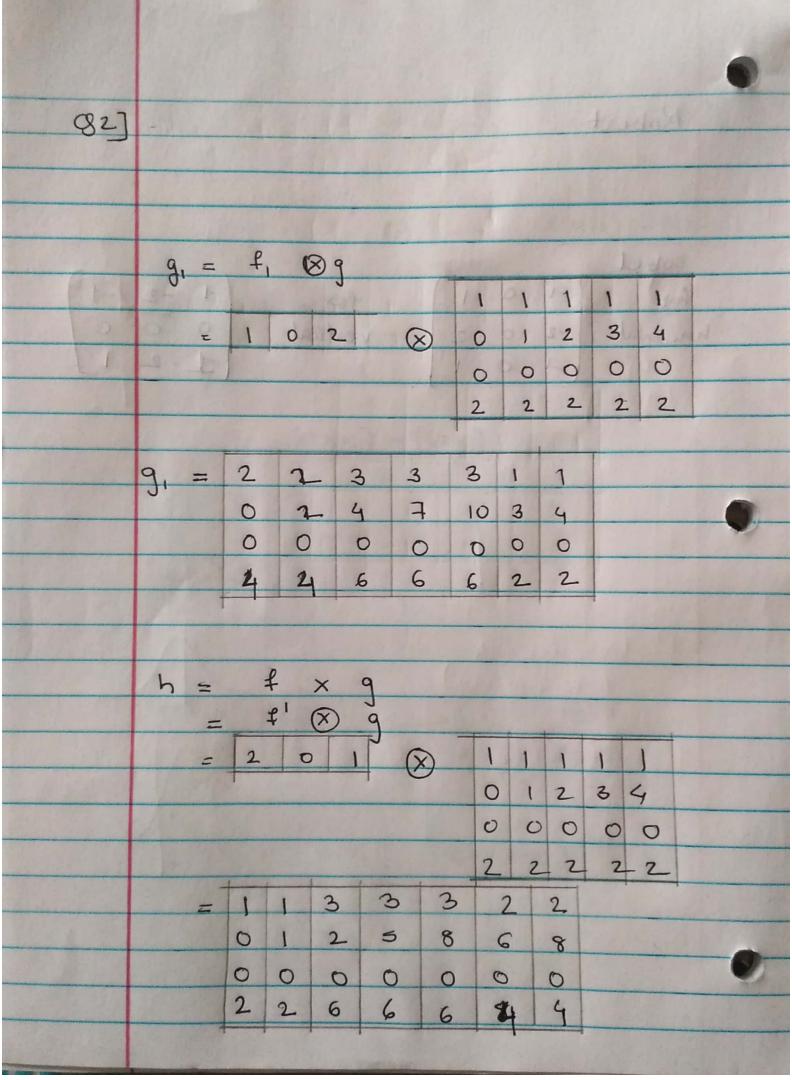
$$U = 0 \qquad V = 0$$

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430000	THE STATE OF												
10 E A	Feel Will												
	Can a	0 10.069	0.091	0.135	5)11								
	tor pixe	0.000	, 0.041	0.10	Well to the same of the same o								
	1/1w	= 0.099 + 43 - 16 =	CARL ST. AND ASSESSMENT OF THE PARTY OF THE										
	1=116	1 - 1 2 =	37.66	8	27/10/01/05								
The state of the s	$\alpha = x +$	131+31	200	171=	17/d = 0.455								
	4 - 4	101 2 0.1	20.89	v- 13	3 L (V'-VW) = -6.37								
	u = 13L(u' - uw) = -28.89 $v = 13L(v' - vw) = -6.37$												
	4.	Hence the image in to Luv formal is.											
(000	nence	(0.00)	en E	(0,0,	0) (0,0,0)								
					,-11.77) (53.28,132.29,-11.77)								
		(42.15,-1.10, 0.55) (42.15,-1.10, 0.55) (42.15,-1.10, 0.55)											
127 11 22 22	37.66, -28.89, -6.37) (37.66, -28.89, -6.39) (37.66, -28.89, 6.37)												
(3+.66, -28.80	-6.37) (37.66, -28.89, -6.39) (37.66, -28.99, -6.37) (37.66, -28.99, -6.37)												
4.87	To a will see and to strate												
	To increase the luminosity we need to stretch												
	do this with histogram equalisation.												
7	do hus	with an	sogian	, equi	ausaren.								
	for their	we of	prest p	ertorm	quantisation								
			Kound I	it to 3	nearest whole								
	integer	)	-57 (16	17 45 65									
		8 / 1		DN A	The state of the s								
	Hence	L value	us for	the in	rage are								
	0	0	0	0	Talasa we were								
	53	53	53	53									
	42	42	42	42									
	38	38	38	38									
			NAME OF TAXABLE PARTY.										

Image histogram	and the same									
TO DO TO TO TO	-									
Image histogram, Pixel values # Pixels.										
0 4	-									
38	-									
42 140 3 400	-									
53/00 4										
# of gradus (F) (0 - 100) = 101 # pixels (n) = 16 $\frac{101}{16}$ = 6.313	_									
# pixels (h) = 16 $\frac{7}{16} = 6.313$										
i h(i) f(i) +f(i-1) k floor										
0 4 4 2 × 6.313 = 12.626 13 0 -> 15										
38 4 8 6×6.313=37.878 387 387 387										
42 4 12 10 × 6.313. 63.13 63 42 → 63	-									
53 4 16 24 × 6.313.88.38 88 53 → 88										
3PS-9 = Z   1-2-6 = 1										
Hence Luv Image 15 ->	7									
(12,0,0) $(12,0,0)$ $(12,0,0)$ $(12,0,0)$										
(88,132.29,-11.77) (88,132.29,-11.77) (88,132.29,-11.77)	-									
(63, -1.10, 0.55) $(63, -1.10, 0.55)$ $(63, -1.10, 0.55)$ $(63, -1.10, 0.55)$	-									
(37,-28.89,-6.37) (37,-28.89,-6.37) (37,-28.89,-6.37) (37,-28.89,-6.37)	1									
The second second second second										
L'uv to XYZ conversion										
u'= 1300 L+4 v'= v+13voL										
(13 L 16 0 15 0) (13 L 16 0 15 0) (2 16 0 16 0 16 0 16 0 16 0 16 0 16 0 16										
(TELESTIC FORE) (TELESTIFIC FORE FORE FORE) (BLOCK OF FORE FORE FORE FORE										

	Caring to State of the State of										
	For piseel (12,0,0)										
	u'= 33.462 V'=										
	u' = 0.198 1-1 = 0.468										
	Y = 0.014										
	x = 0.013 Z = +092 0.015										
	For pixel (88, 132.29, -11,77)										
318-3 5	u' = 0.313 $v' = 6.458$										
	Y = 6.72										
	X = 1.107 ≈ 1.0 Z = 0.747										
3140	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
F88 - 98											
824-4	u' = 0.197 $v' = 0.4689$										
68 4- 3	Y = 0.316 88.88.619 All										
	x = 0.29 $Z = 0.346$										
	discount the also percent yet sprubby										
(0,0)	for pixel (37, -28.89, -6.87)										
(89,11-85)	u'= 0.137 V'= 0.454 (1)										
(35,9 OF											
(18.2- 18.8)	X 20.067 (2=0.1314) (164 18.85-18)										
	Hence XYZ image is										
(0.013, 0.	014,0.015) (0.013,0.014,0.015) (0.013,0.014,0.015) (0.013,0.014,0.015)										
(1.0, 0.72,	0.747) (1.0,0.72,0.747) (1.0,0.72,0.747) (1.0,0.72,0.747)										
(0.29, 0.316	0.346) (0.29,0.316,0.346) (0.29,0.316,0.346) (0.29,0.316,0.346)										
(0.067,0.00	5,0.43) (0.067,0.045,0.131) (0.067,0.095,0.131) (0.067,0.095,0.131)										
The state of the s											



6														
	92	=	f2	10	(X)	9	,							
		=	1	1	(	$\hat{x}$	2	2	3	3	3	1	1	
	18 18 1		0	-1		2	0	2	4	7 0	0	3	0	
						1-1	4	4	6	6	6	2	2	
		=	-2		-2	- 3	5	- 3		- 3 -4	-1		- \ -2	0
		14	0		2	6		11	17		13		7	4
0			-4	15	-4 8	10		12		12	8		4	2
				0			0.							
(32]	Find								8	3				
	$g_2 = f_2 \otimes g_1$ $= f_2 \otimes (f_1 \otimes g)$													
	$= f_2' * (f_1' * g) \leftarrow Change from cass corelation to convolution.$													
		=	(f'	*	+')	*	9	+	rea		e par			-
10	9.	= (	f21	*	+')'	<b>(X)</b>	9							
	14	=	4		8	9								

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