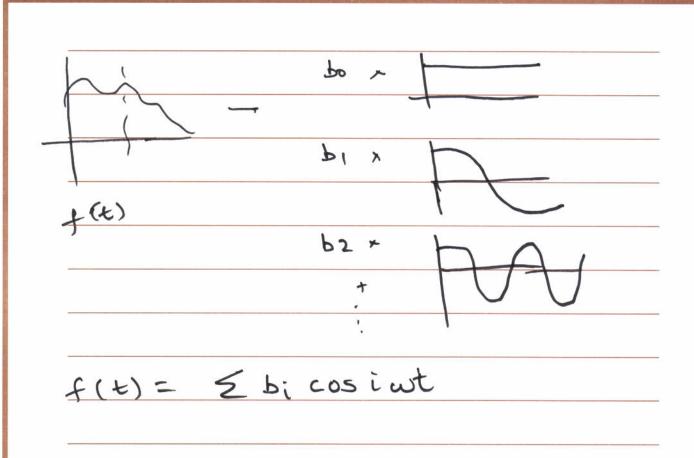
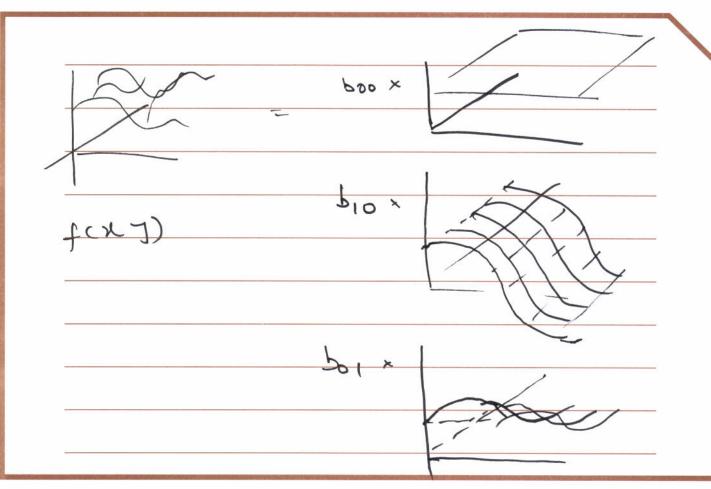
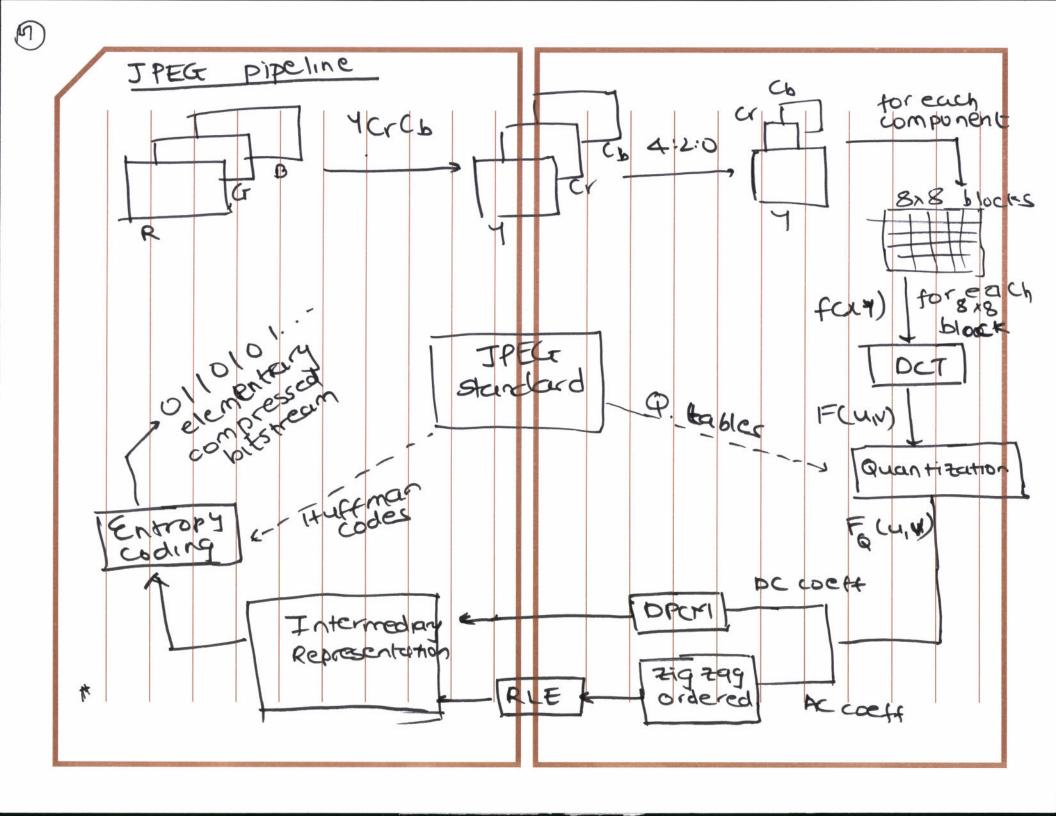
Image Compression	
Lossiers	Lossy
- RLE Tiff, bmp, rla - Dictionary based GIF, PNG - Prediction	- scalar q - vector a  Transform cod ng
JPEG LS  - Stretistical  Entropy coding	- DET (JPEG)
	- subband coding wavelets JPEG 2000 MPEGG VTC
prediction bayed  JPEU Lossiess	- Fractal
Prediction in	A B C A+B-C

Transform Based Coding	
Image  T  Q  Entropy  coding	
· <b>^</b>	bitstream
I maye  T-1 - DQ = Entropy  decoding	الم





$$F(x,y) = \iint f(x,y) \cos i \omega x \cos j \omega y dx dy$$



DC coeff -> 15	
Ac coeff zigzag order	8
0-2-1-1-100-1000	)
previous blocks DC coeff = 12	
need to encode	
3 0-2-1-1-100-1	

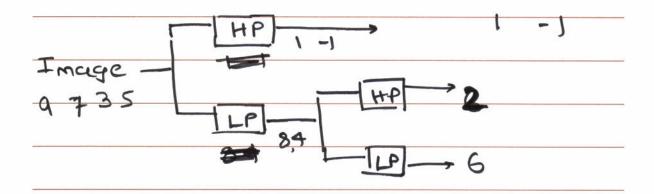
DC - < size> < amplitude>
AC -> < runlength, size> < amplitude>
PC - <2> <3> VLI codes
AC -> <1,2> <-2> -1 1
<u> </u>
<0,17 <-1> 000 001 010 011 100 10
<0,1><-1>
< 211 > <-1>
EOB

pc → <2> <3>	VLI	
	-	1
AC - <1,2> <-2>	0 1	
LO, 1> <-1>	-3 -2 2 3	
<0,1><-17	-7-6-5-4 +4 5 6	101
< 0,1) <-1>		
(2,17 <-17	VLC	
	<0,0> (010	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<0,17 00	8
	<1,27 11001	
	(2,1) 11100	
	<2> 011	

001110000000000000000000000000000000000	
31 bits from 256 bits	

(8)

## Wavelet analysis



8	sam	ples							
	9	7	3	5	1	1	6	4	
	8	4	١	5	1	-1	0	1	
	6	3	2	-2	١	- \	0	١	
		1.5	2	-2	1	- 1	D	1	
					·			ĺ	