Sh.	Cone	en b Pr	Haitham Babbili - 1988 0803 49 15
			Problem 1
		1	Spectral Peaks: 3
			LPC model order: 6
		2-	LPC, CELP, damped sinusoids.
		3-	9 - other. 2 Symbol error can be corrected.
			p. 5 Symbol error can be detected.
)	C.		
1		4.	motion compensation.
•	6	•	
9		5_	Yes, reduces Packet Loss when combining with channel
•			Coding
3			Yes, always reduces packet Loss
		6-	no, no influence.
2		0-	(
2		7	internet layer
2	0		
2—-		8	AVC, VVC
2	•		
2		9.	latency, bettery life
2		-	
Z-		10	Mean SSIM
楚		1	
7.E.		11-	UDP+IP
OLD.		12-	Tep+IP, UDP+IP
03			
O.C			

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Prolem 2 2.1 Speech signal sequence is non-stationary signal (non-Paramitric). So we divided into blocks Then consider each block as stationary then apply model vocal tracks by time invariant all Pole filter with each block and the Vocal cord excitation as either the impuls or white noise. Packet 1: 0, 1, 2, 3 Packet 2. 4, 5, 6, 7 E. Packet 3:8,9,10,19 Packet 4:12, 13, 14, 15 2.2.0 matrix-inter-leaver is applied. Packet 1: 3,2,0,1 Packet 2: 7.6, 5, 4 Packet 3. 9, 11, 8, 10 Packet 4: 13, 15, 12, 14 0 tak two frame from video after each other Then. calculate The deffrent between those 2 frame by subtracte one frothe other after the nurmalization for each one. from The new value, The motion compensation vector should be calculated by divid The new Nue to blocks (8x8) each) and then apply the Threshold Value base on The compression ration. in deilate the The hold CASPINITED HOLD ON EVERY Block FOR The

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2.3 apply the Threshold on blocks by sitting
The value under Threshold to Zero and doing That
on each block we get motion compensation image
where black earing represent the original image
so that mean no chang in that earing, while the
white block represent the motion block or
motion earing and all this whit-block
represent The motion vector.

(

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	Problem 3
	Pk: Packet lost during Transmission Vk: Pabability of delay to the Packets Po: " bit evvor in a symbol
	Ps: 11 1 Codeword Error due to Symbole error
	Pk?
C	$P_{K} = P_{K} + (1 - P_{K}) V_{K}$
	PK = PK + (1-PK) VK + (1-PK) (1-VK) PKIPC
0	