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Source : Republic of Korea(ETRI)
Title : Reference Model 8 Simulation Results

Reference Model No.8, described in document No.446 and TD No.8 of the Oslo meeting (March 7 to 10, 1989), has been implemented. In Annex are shown the results for the image sequences of Miss America, Claire, Blue Jacket and Salesman. Unfortunately, tape demonstrations are not provided.

Annex :
 STATISTICS RM8
 INPUT SEQUENCE : Miss America
 MODIFICATION :

INSTITUTE: ETRI, KOREA
 DATE: Mon May 29 18:24:12 1989
 BIT RATE: 59.40 KBPS
 FRAME RATE: 10.00

ITEM		15TH	MEAN (2- 50)
1. RMS for luminance		3.086	3.168
2. SNR for luminance		38.344	38.119
for chrominance (u)		39.544	38.886
for chrominance (v)		38.145	37.845
3. Mean value of step size		16.167	18.337
4. Mean value of the number of non-zero coefficients y		2.481	2.369
c		1.264	1.373
5. Mean value of number of transmitted zeros y		3.278	3.724
c		1.975	2.400
6. Block type of MACRO	FIXED	206	206
	CODED MC	56	69
	FIXED MC	9	21
	CODED	113	88
	INTRA	0	0
	CODEDMCQ	7	6
	CODEDQ	5	5
	INTRAQ	0	0
7. Block type of Y	FIXED	1199	1119
	CODED MC	123	118
	FIXED MC	144	255
	CODED	90	73
	INTRA	0	0
	CODEDMCQ	21	118
	CODEDQ	7	73
	INTRAQ	0	0
8. Block type of UV	FIXED	559	528
	CODED MC	29	49
	FIXED MC	112	139
	CODED	85	68
	INTRA	0	0
	CODEDMCQ	3	4
	CODEDQ	4	3
	INTRAQ	0	0
9. Number of bits	MACRO attr.	1594	1572
	End of block	724	670
	Motion Vectors	467	600
	Coefs Y	2540	2264
	U	290	329
	V	257	346
	total	3087	2940
	Total	5872	5782

STATISTICS RM8
INPUT SEQUENCE : Claire
MODIFICATION :

INSTITUTE: ETRI, KOREA
DATE: Thu Jun 1 14:22:50 1989
BIT RATE: 59.40 KBPS
FRAME RATE: 10.00

ITEM		15TH	MEAN (2-165)
1. RMS for luminance		2.972	3.038
2. SNR for luminance		38.669	38.492
for chrominance (u)		41.984	42.151
for chrominance (v)		39.185	39.092
3. Mean value of step size		15.833	18.054
4. Mean value of the number of non-zero coefficients y		3.130	3.101
c		1.795	1.598
5. Mean value of number of transmitted zeros y		6.378	5.684
c		4.773	2.599
6. Block type of MACRO	FIXED	262	272
	CODED MC	15	40
	FIXED MC	6	6
	CODED	104	68
	INTRA	0	0
	CODEDMCQ	2	6
	CODEDQ	7	3
	INTRAQ	0	0
7. Block type of Y	FIXED	1295	1261
	CODED MC	35	108
	FIXED MC	51	84
	CODED	183	106
	INTRA	0	1
	CODEDMCQ	6	108
	CODEDQ	14	106
	INTRAQ	0	1
8. Block type of UV	FIXED	715	673
	CODED MC	12	23
	FIXED MC	33	80
	CODED	30	13
	INTRA	0	0
	CODEDMCQ	1	3
	CODEDQ	1	0
	INTRAQ	0	0
9. Number of bits	MACRO attr.	1114	1057
	End of block	564	557
	Motion Vectors	162	330
	Coefs Y	3688	3638
	U	142	79
	V	237	176
	total	4067	3893
	Total	5907	5837

STATISTICS RM8
INPUT SEQUENCE : Blue Jacket
MODIFICATION :

INSTITUTE: ETRI, KOREA
DATE: Wed May 31 04:19:43 1989
BIT RATE: 59.40 KBPS
FRAME RATE: 10.00

ITEM		15TH	MEAN (2-167)
1. RMS for luminance		4.808	5.074
2. SNR for luminance		34.492	34.035
for chrominance (u)		37.789	37.627
for chrominance (v)		39.072	38.873
3. Mean value of step size		19.167	21.601
4. Mean value of the number of non-zero coefficients	y	4.311	3.752
	c	1.768	1.471
5. Mean value of number of transmitted zeros	y	9.671	9.189
	c	2.696	3.085
6. Block type of MACRO	FIXED	290	277
	CODED MC	21	20
	FIXED MC	1	3
	CODED	79	90
	INTRA	0	1
	CODEDMCQ	0	1
	CODEDQ	5	4
	INTRAQ	0	0
7. Block type of Y	FIXED	1392	1354
	CODED MC	57	51
	FIXED MC	31	44
	CODED	97	125
	INTRA	0	3
	CODEDMCQ	0	51
	CODEDQ	7	125
	INTRAQ	0	3
8. Block type of UV	FIXED	697	691
	CODED MC	18	9
	FIXED MC	26	39
	CODED	48	48
	INTRA	0	1
	CODEDMCQ	0	0
	CODEDQ	3	2
	INTRAQ	0	0
9. Number of bits	MACRO attr.	951	986
	End of block	460	496
	Motion Vectors	134	150
	Coefs	Y	3887
		U	310
		V	329
		total	4526
	Total	6071	5879

STATISTICS RM8
INPUT SEQUENCE : Salesman
MODIFICATION :

INSTITUTE: ETRI, KOREA
DATE: Wed May 31 04:00:24 1989
BIT RATE: 59.40 KBPS
FRAME RATE: 10.00

ITEM		15TH	MEAN (2-167)
1. RMS for luminance		7.307	6.109
2. SNR for luminance		30.856	33.635
for chrominance (u)		37.990	41.154
for chrominance (v)		39.073	41.857
3. Mean value of step size		26.333	24.870
4. Mean value of the number of non-zero coefficients			
y		2.547	2.863
c		1.176	1.192
5. Mean value of number of transmitted zeros			
y		7.419	8.873
c		1.176	1.263
6. Block type of MACRO	FIXED	254	268
	CODED MC	36	31
	FIXED MC	6	7
	CODED	88	79
	INTRA	2	2
	CODEDMCQ	4	3
	CODEDQ	6	6
	INTRAQ	0	0
7. Block type of Y	FIXED	1249	1268
	CODED MC	97	79
	FIXED MC	77	78
	CODED	133	131
	INTRA	8	9
	CODEDMCQ	10	79
	CODEDQ	10	131
	INTRAQ	0	9
8. Block type of UV	FIXED	690	696
	CODED MC	7	4
	FIXED MC	85	78
	CODED	6	8
	INTRA	4	4
	CODEDMCQ	0	0
	CODEDQ	0	0
	INTRAQ	0	0
9. Number of bits	MACRO attr.	1150	1020
	End of block	550	512
	Motion Vectors	322	274
	Coefs		
	Y	3671	3928
	U	54	58
	V	36	42
	total	3761	4028
	Total	5783	5834