



Cross check report on Sejong/ETRI Illumination Compensation method

JVT - T112

Sea nae Park

compsea@kw.ac.kr

**Image Processing Systems Laboratory
Kwangwoon University**

Summary [1]

- The cross-check report for the proposal of ETRI/Sejong University.
- Provided by Sejong University
 - Source codes (encoder/decoder)
 - Encoder / decoder executable
 - Bitstreams for all the test sequences
 - Configuration files

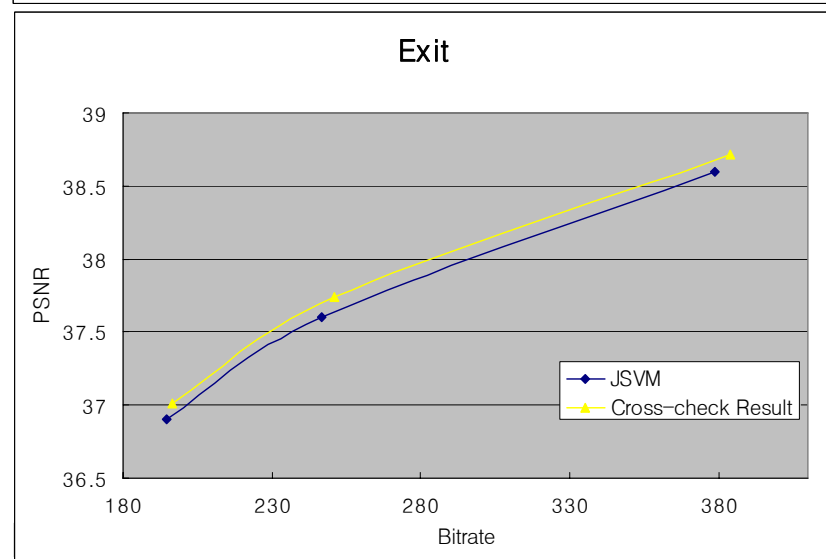
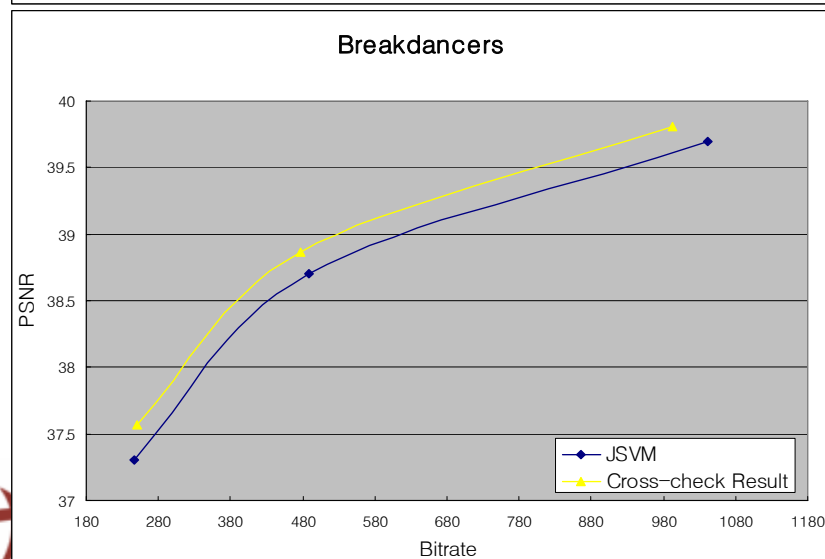
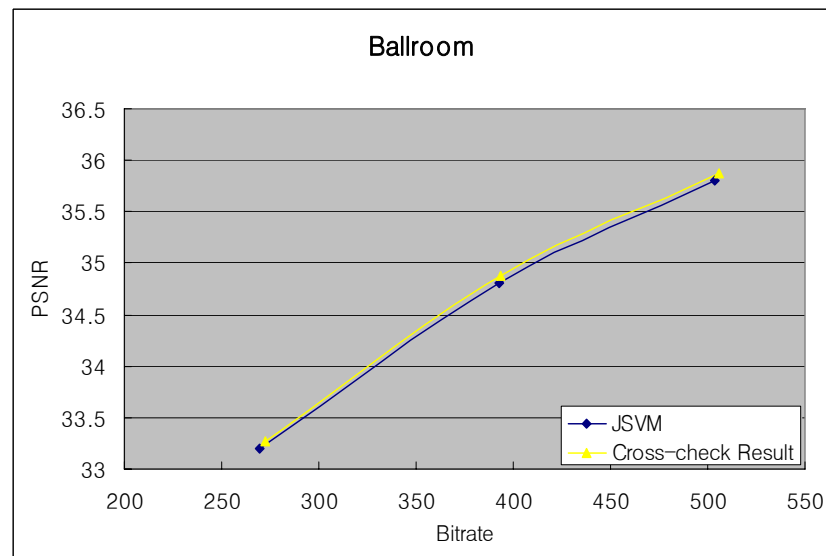
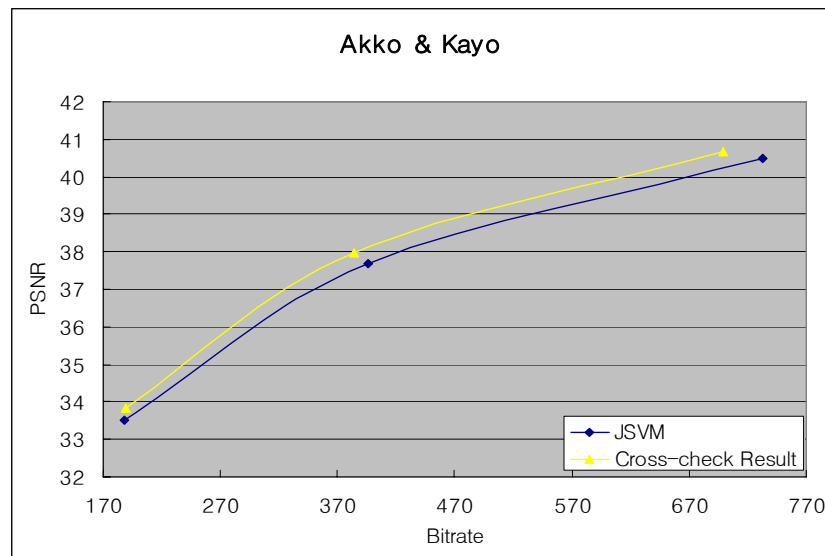
Summary [2]

- Compile decoder source code and then run all the provided bitstreams
- All the figures (PSNRs and bit-rates) from our evaluation are identical to the result posted by the Sejong/ETRI on the reflector.

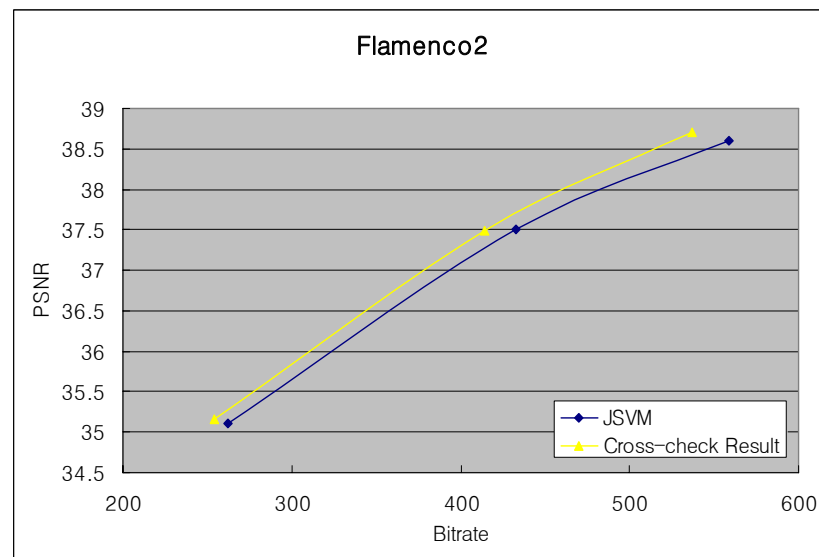
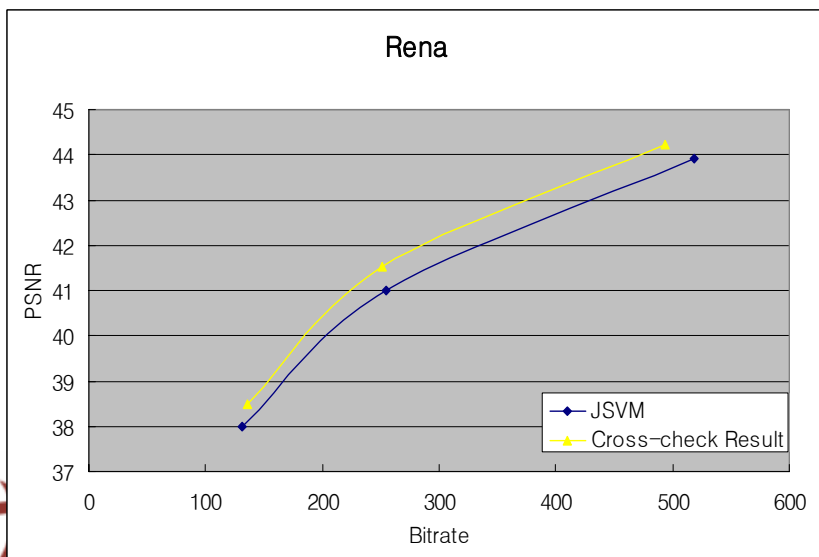
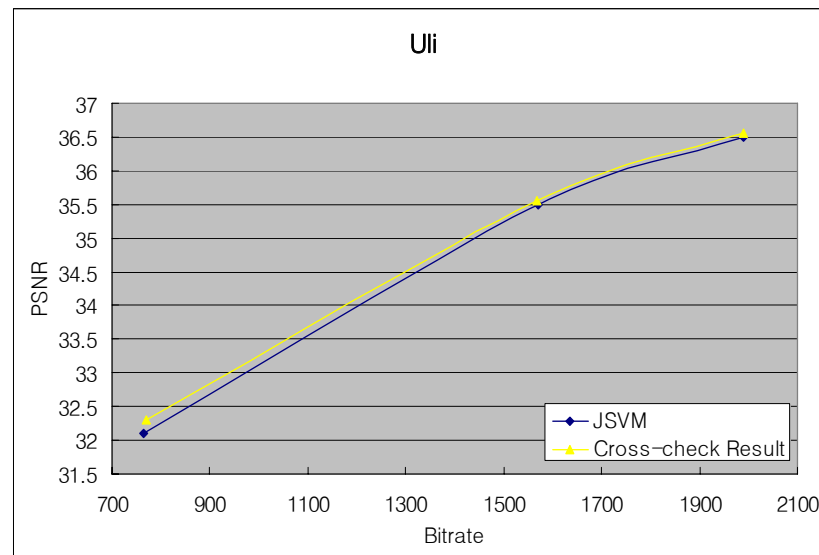
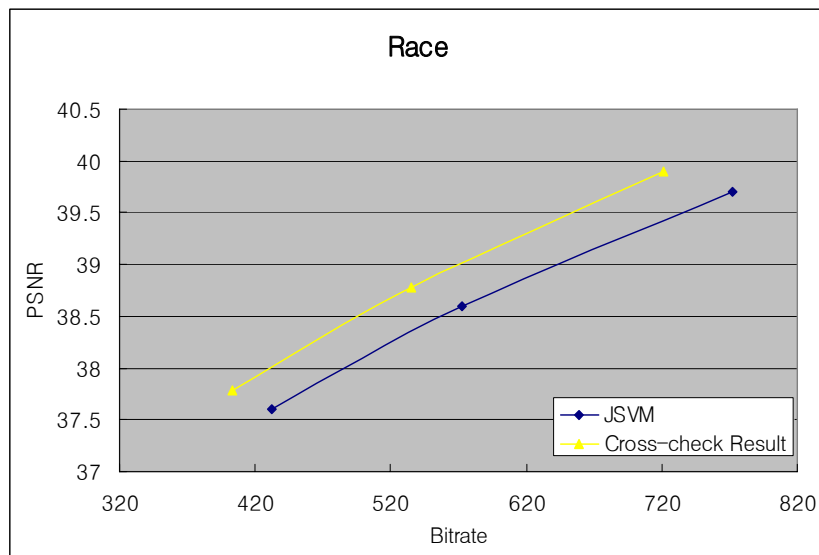
Cross check result – table

	JSVM			Sejong Univ. Result			Cross-check Result		
	QP	Bitrate	PSNR	QP	Bitrate	PSNR	QP	Bitrate	PSNR
Akko & Kayo	36	188.3	33.5	36	188.9	33.8	36	188.9	33.8
	29	396	37.7	29	383.5	38	29	383.5	38.0
	24	733.2	40.5	24	699.1	40.7	24	699.1	40.7
Ballroom	34	269.8	33.2	34	272.7	33.3	34	272.7	33.3
	31	392.6	34.8	31	393.6	34.9	31	393.6	34.9
	29	503.3	35.8	29	505.8	35.9	29	505.8	35.9
Breakdancers	31	246.4	37.3	31	251	37.6	31	251.0	37.6
	26	489.1	38.7	26	477.1	38.9	26	477.1	38.9
	22	1040.5	39.7	22	991.8	39.8	22	991.8	39.8
Exit	31	194.5	36.9	31	196.8	37	31	196.8	37.0
	29	246.6	37.6	29	250.8	37.7	29	250.8	37.7
	26	378.7	38.6	26	383.7	38.7	26	383.7	38.7
Flamenco2	34	262.5	35.1	34	254.4	35.2	34	254.4	35.2
	30	432.8	37.5	30	414.4	37.5	30	414.4	37.5
	28	558.5	38.6	28	536.6	38.7	28	536.6	38.7
Race1	28	432.5	37.6	28	403.5	37.8	28	403.5	37.8
	26	572.3	38.6	26	534.7	38.8	26	534.7	38.8
	24	772.3	39.7	24	720.9	39.9	24	720.9	39.9
Rena	28	131.4	38	28	135.9	38.5	28	135.9	38.5
	26	254.7	41	26	251.2	41.5	26	251.2	41.5
	24	518.9	43.9	24	493.7	44.2	24	493.7	44.2
Uli	36	765.1	32.1	36	769	32.3	36	769.0	32.3
	30	1570.6	35.5	30	1567.8	35.6	30	1567.8	35.6
	28	1988.5	36.5	28	1988.9	36.6	28	1988.9	36.6

Cross check result – graph [1]



Cross check result – graph [2]



Q & A

Thank you!