

CE3: A result of subjective viewing

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One of conclusions

- G778 needs to be clarified whether there is visual advantage for ALF/SAO off and LD P, and no disadvantage for other cases. Organize viewing session and revisit after that.
- G778 proposes two filter coefficients.
 - 8H7Q_A
 - Luma: $1/4 : \{-1, 4, -10, 58, 17, -5, 1, 0\}$
 - Chroma: $1/8 : \{-2, 58, 10, -2\}$, $3/8 : \{-6, 46, 28, -4\}$
 - 8H7Q_B
 - Luma: $1/4 : \{-1, 3, -8, 60, 13, -4, 1, 0\}$
 - Chroma: $1/8 : \{-2, 61, 6, -1\}$, $3/8 : \{-5, 44, 29, -4\}$

Coding & test condition

- Low delay P, QP=37, and SAO is off
- Test sequences
 - Party Scene
 - Vidyo3
 - Race Horses
- Comparisons
 - Anchor (HM4.0) vs. 8H7Q_A
 - Anchor (HM4.0) vs. 8H7Q_B

Coding & test condition

- Paired compression
 - Two videos are compared temporally.
 - Viewers vote 1-point for better or 0.5-point for same.
 - Number of effective results are 15.
- Side by side comparison
 - Two videos are compared spatially.
 - Viewers vote 1-point for better or 0.5-point for same.
 - Number of effective results are 17.
- All viewers were not identical and all viewers were not proponents.

Results

		PartyScene	Vidyo3	RaceHorses	Total
Paired comparison	8H7Q_A	0.55	0.63	0.53	0.57
	8H7Q_B	0.53	0.57	0.55	0.55
	Anchor	0.46	0.40	0.46	0.44
Side by side comparison	8H7Q_A	0.68	0.66	0.47	0.61
	8H7Q_B	0.68	0.47	0.53	0.56
	Anchor	0.32	0.43	0.50	0.42

Conclusion

- G778 should be adopted.
- 8H7Q_A is recommended.
- Thanks viewers and many thank Mr. David Flynn for helping viewing environment.