

# 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	<b>0.57</b>
	8H7Q_B	0.53	0.57	0.55	<b>0.55</b>
	Anchor	0.46	0.40	0.46	<b>0.44</b>
Side by side comparison	8H7Q_A	0.68	0.66	0.47	<b>0.61</b>
	8H7Q_B	0.68	0.47	0.53	<b>0.56</b>
	Anchor	0.32	0.43	0.50	<b>0.42</b>

# Conclusion

- G778 should be adopted.
- 8H7Q\_A is recommended.
  
- Thanks viewers and many thank Mr. David Flynn for helping viewing environment.