

The background is a solid red color. Overlaid on this are various faint, white, semi-transparent technical graphics. On the left, there's a small icon of a code editor with a '</>' symbol, a waveform graph, and some binary code '01010101'. In the center, there are some faint, illegible text fragments like 'ected with an object' and 'er of'. On the right, there's a complex network diagram with many nodes connected by lines, and a bright light source emanating from one of the nodes.

AHG9: HLS control of chroma QP offset

JVET-Q0484

W. Wan, B. Heng, P. Chen, T. Hellman, M. Zhou
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HLS to control chroma QP offset

- Luma QP controlled solely by PPS flag (cu_qp_delta_enabled_flag)
- Chroma QP control?
 - PPS: pps_cu_chroma_qp_offset_list_enabled_flag
 - Slice Header: cu_chroma_qp_offset_enabled_flag
 - Contribution asserts unnecessary for two control flags and a single PPS flag is sufficient (consistent with luma QP)

	PPS	Slice Header
Luma QP	cu_qp_delta_enabled_flag	NONE
Chroma QP	pps_cu_chroma_qp_offset_list_enabled_flag	cu_chroma_qp_offset_enabled_flag

Discussion

- `cu_chroma_qp_offset_enabled_flag` in slice header
 - Not present at last meeting when picture header adopted
 - Added as bug fix (JVET bug ticket #519)
 - Probably could have been moved to picture header or PPS as part of picture header clean up
- Proposal
 - Removal of `cu_chroma_qp_offset_enabled_flag` from the slice header
 - Replacing `cu_chroma_qp_offset_enabled_flag` with `pps_cu_chroma_qp_offset_list_enabled_flag` in the slice data



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