

From: Reese, Bob J <bob.j.reese@intel.com>
Sent: Wednesday, October 9, 2002 11:16 PM
To: 'jvt-experts@mail.imtc.org'
Subject: [jvt-experts] Question about loop filter chroma boundary strength

Experts,

Section 8.7.1 of JVT-E022d7 describes the determination of boundary strength for the boundary between 4x4 luma blocks but does not describe how to determine the boundary strength for the boundary between 4x4 chroma blocks. The JM4.2 implementation subsamples the luma boundary strengths, which results in the chroma boundary strength changing every 2 chroma samples (ie, each 4-sample edge of a 4x4 chroma block has two boundary strengths).

Is the JM4.2 implementation the desired behavior and the doc just needs to be updated?

For a 4-pixel-edge-oriented implementation it would be less complex if for chroma there was a single boundary strength for the edge, same as luma.

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The use of the jvt-experts list is intended only for the video coding standardization work conducted by the Joint Video Team (JVT) of ISO/IEC JTC1/SC29/WG11 (MPEG) and ITU-T SG16 Q.6 (VCEG).

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