

From: imoccaga@lsil.com on behalf of iole moccagatta <imoccaga@lsil.com>
Sent: Monday, September 16, 2002 7:45 PM
To: Barry Haskell
Cc: JVT experts
Subject: [jvt-experts] Re: FW: No provision for 1/2 pel?

Barry,

Barry Haskell wrote:

> iole moccagatta wrote:

>

> > Let's say that the encoder figure out in some way that 1/2 and 1/4

> > pel motion estimation generate a similar prediction error. However, because H.264 supports only 1/4 pel, all motion vectors need to be encoded at 1/4 pel precision.

>

> No, I think the encoder can choose not to use the 1/4 pel resolution

> if that

>

> takes too many cycles.

I agree with that. Please note that I did not said that the encoder has to do 1/4 pel motion estimation, but that the encoder has to code all motion vectors at 1/4 pel resolution.

> As for coding efficiency, use CABAC. It should code the MVs more

> efficiently if only 1/2 pel is used.

>

Can you replace "should" with "does"? Has somebody tried this out?

Best,

Iole

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=                                     =
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= "Spatium...ultima confinia.... Haec sunt itinera astranavis   =
= Incepti. Huic missio quinque annorum: explorare mundos alienos novos, =
= petere vitam novam novosque cultus, ire fortiter quo nemo iverit   =
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= ante."

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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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