

From: Indrajit Chakrabarty <indrtiya@yahoo.com>
Sent: Friday, August 16, 2002 3:16 AM
To: iole moccagatta
Cc: jvt-experts@mail.imtc.org
Subject: [jvt-experts] Re: frame/field adaptive at picture level in FCD and JM4.0c

Dear Iole, Experts,

I just checked the reference software release ver 4.0c and actually only two out of the possible three coding options are currently implemented in the software.

These are Frame and Field modes. The third mode Adaptive Frame/Field does not seem to be implemented at all. (In global.h, CodingType consists of FRAME_CODING, ADAPTIVE_CODING, FIELD_CODING, and out of these three, I found that only FRAME_CODING and FIELD_CODING are used in the implementation)

I recall a mail from Lowell (08/02) in response to the software implementation schedule sent out by Detlev.

To quote him - "...I would strongly support moving up AFF in the schedule (if possible) [JVT-D108 Wang MB adaptive field/frame coding for interlace sequences] this is the single largest new feature adopted at the last meeting, and will take the largest cross-verification effort,..."

We will probably have the AFF included in the future releases of the reference software.

Hope this helps a bit!

BR
indrajit

--- iole moccagatta <imoccaga@lsil.com> wrote:

>
> Dear Experts,
>
> In the FDC, Annex A, Clause A.5.1 states that " ...
> Decoders supporting
> Level 2.1 and above shall be capable of decoding bitstream using: f)
> interlaced pictures, frame/field adaptive at picture level and
> macroblock level. "
>
> I can easily point out in the FDC what is frame/field adaptive
> decoding at macroblock level, but I can not find what is frame/field
> adaptive decoding at FRAME level.
>
> I also looked at JM4.0c. In the encoder config file, one can choose to
> use the adaptive frame/field coding by setting this
> line:
>
> InterlaceCodingOption = 0 # (0: frame coding,

> 1: adaptive
 > frame/field coding, 2:field coding)
 >
 > But I could not figure out in which function(s) the adaptive
 > frame/field coding (which I assume if the frame level one) is
 > implemented.
 >
 > Can somebody help me out ?
 >
 > Best,
 >
 > Iole
 >
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 > --
 >
 >

 > PLEASE NOTE NEW EMAIL !!!!
 >

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 >
 =====
 > = Iole Moccagatta,
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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 =
 > =
 > 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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