

From: nicholas lau <nicholas_lcy@hotmail.com>
Sent: Tuesday, September 10, 2002 4:02 AM
To: bhaskell@apple.com
Cc: jvt-experts@mail.imtc.org
Subject: [jvt-experts] Re: Picture Order Count (Temporal Distance)

Dear Barry,

Thank you so much for your clarifications and patience.

Yup, now I understand this section fully.

Rgds,
Nicholas Lau

>From: Barry Haskell <bhaskell@apple.com>
>Reply-To: Barry Haskell <bhaskell@apple.com>
>To: nicholas lau <nicholas_lcy@hotmail.com>
>CC: jvt-experts@mail.imtc.org
>Subject: [jvt-experts] Re: Picture Order Count (Temporal Distance)
>Date: Mon, 09 Sep 2002 09:23:51 -0700
>
>
>
>nicholas lau wrote:
>
>>I still do not quite understand on the AbsFrameNum equation changed by
>>you.
>>
>> >AbsFrameNum = FrameNumOffset + frame_num - IDRframe_num - 1
>>
>>First of all, what is IDRframe_num?
>
>
>It is the frame_num of the most recent IDR picture. We should add its
>definition to Sec. 8.3.2.2
>
>
>>Secondly, if consider this equation but ignoring IDRframe_num, I found
>>that the value of POC is short of one.
>
>
>Did you invoke the second part of the new Eq. (8-5), i.e.
>
>if(nal_storage_idc == 0) AbsFrameNum = AbsFrameNum - 1
>

>
>For the example of two B frames,
>
> pic_order_cnt_type = 1
> offset_for_non_stored_pic = -2
> num_stored_frames_in_pic_order_cnt_cycle = 1
> offset_for_stored_frame = 3
> IDRframe_num=0
>
>I get...
>
>display order I B B P B B P B B P
>POC 0 1 2 3 4 5 6 7 8 9
>frame_num 0 2 2 1 3 3 2 4 4 3
>AbsFrameNum 0 0 0 1 1 1 2 2 2
>
>
>>
>>Thirdly, wonder whether the definition of offset_for_non_stored_pic is
>>redefined as having a frame_num one less than of the non-stored pic.
>>as your previous reply.
>
>
>Yes, that's the second part of the new Eq. (8-5)
>
>
>>I just wonder how much better can this picture order count type 1
>>achieve in overhead as compared to picture order count type 0. Do you
>>have any idea?
>
>
>For variable frame-rates, the POC may need many bits of accuracy.
>That's when type 1 saves many bits.
>
>
>
>
>--
>Barry G. Haskell tel +1 408 974 6333
>Apple Computer Inc. fax " " " 1756
>2 Infinite Loop MS: 302-3KS
>Cupertino, CA 95014
>bhaskell@apple.com (also B.Haskell@ieee.org)
>
>
>
>
>---
>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).
>
>You are currently subscribed to jvt-experts as:

>nicholas_lcy@hotmail.com To unsubscribe send a blank email to
>%%email.unsub%%

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

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).

You are currently subscribed to jvt-experts as: suehring@hhi.de To unsubscribe send a blank email to leave-jvt-experts-12909W@mail.imtc.org