

From: Krishna Ratakonda <ratakond@us.ibm.com>
Sent: Tuesday, October 15, 2002 10:59 PM
To: jvt-experts@mail.imtc.org
Subject: [jvt-experts] Parallelization options for JVT decoder at HD and higher levels
Attachments: parallel_decoding.ppt; footer.txt

Since I was unable to present all the proposals of the breakout group on slice limits, a useful technique for parallelization which was presented at that session went unheard.

This method combined with Detlev's recently adopted proposal for context switching at the slice level, results in little or no loss in coding efficiency while enabling full parallelization.

This is not like some of the ideas which were discussed in the main session which needed a pretty powerful pre-processing engine.

Since I won't be attending the MPEG-JVT meeting in Japan, I would like to invite any one who is interested in a simple solution to the parallelization problem to pursue this further.

I am attaching the entire set of charts which are the output of the breakout session for those who wish to review them (the technique that I described above is on page 7 (solution 4) of the attached slides).

(See attached file: parallel_decoding.ppt)