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Title [MPEG-I Visual] Immersive Video CE-2: Crosscheck of m49085
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Abstract

This document reports the crosscheck results of ZJU response to Immersive Video CE-2 (m49085).

1 Crosscheck results

Within the CE-2 experiment, ZJU performed 3 sub-experiments:

- 2.4.1: change the value of alignment from 8 to 16,
- 2.4.2: change the value of alignment from 8 to 4,
- 2.4.3: add a parameter of “ClusterPosAlignment”.

Experiment description provided by ZJU was not entirely obvious (e.g. sub-experiment 2.4.3 uses TMIV modified by ZJU and sub-experiments 2.4.1 and 2.4.2 use unmodified TMIV 1.0), however – after some additional explanations – it was possible to successfully perform the crosscheck.

We performed partial crosscheck of m49085. We have crosschecked:

- CG1-A, sub-experiment 2.4.1, MD5 sums,
- CG1-A, sub-experiment 2.4.2, QP4,
- CG1-A, sub-experiment 2.4.3, MD5 sums,
- CG1-B, sub-experiment 2.4.2, QP2,
- CG1-C, sub-experiment 2.4.1, QP5,
- NC1-D, sub-experiment 2.4.1, QP2,
- NC1-D, sub-experiment 2.4.3, QP4,
- **NC1-E, sub-experiment 2.4.1.**

All the results obtained during crosscheck **were exact** to the results provided by ZJU.

However, we report, that for NC1-E test sequence the sub-experiment 2.4.1 the TMIV encoder did not work. Moreover, sub-experiment 2.4.2 for CG1-A sequence was somehow unstable (TMIV encoder tended to suddenly stop after first GOP processing).

For sub-experiment 2.4.3 we used commit 018925d5 and checked only MD5 sums of generated atlases (because of unknown reason, we could not reproduce ZJU’s results earlier).

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