

**Joint Video Experts Team (JVET)
of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**

11th Meeting: Ljubljana, July 2018

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Title: CE2.3.5 CTU adaptive sample adaptive offset

Status: Input document to JVET

Purpose: Proposal

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Source: Sharp

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Abstract

The contribution proposes a CTU band offset technique, which extends HEVC SAO band offset. The proposed method reportedly show 0.06 %, 0.92 %, and 0.95 % bd-rate gain on Y, Cb, and Cr on average in VTM RA configuration and 0.15 %, 1.52 %, and 2.03 % bd-rate gain on Y, Cb, and Cr on average in VTM LB configuration respectively. It is recommended to adopt this technique in the next VTM software.

Introduction

The range of image value is limited in many areas, which especially is the case in U, V component. However the band offset in HEVC doesn't care about that range varieties and divides whole target image by constant 32 bands, which result in two problems.

band granularity is too coarse

many band position can be not used

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LINKS

CARD

JVET-K0153

<http://vexpertise.stbit.ru/documents/JVET-K0153>

JVET Search

Tomohiro Ikai (m43080)

CE2.3.5 CTU adaptive sample adaptive offset

Authors:

ABSTRACT

MEETING NOTES

SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=3661

JVET DOCUMENT MANAGEMENT SYSTEM

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Preview document JVET-K0153

Document Information

Submitted by: Jorma Paavola Olli

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Authors: V. Samra

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Comments

Associated Resources

ARCHIVE

archive v1

https://jvet-experts.org/doc_end_user/documents/11_Ljubljana/wg11/JVET-K0153-v1.zip

XLS

CE2.3.5_HDR_tester_vtm.xlsm

XLS

CE2.3.5_SDR_tester.xlsm

XLS

CE2.3.5_SDR_tester_vs_sao0.xlsm

DOC

JVET-K0153.docx

MEETING NOTES

external meeting notes

http://vexpertise.stbit.ru/meeting-notes/source/meeting_11_k

Joint Video Experts Team (JVET) of ITU-T SG21 WP3/21 and ISO/IEC JTC 1/SC 29

11th Meeting: Ljubljana, July 2018

Document: JVET-K0153

Title: Meeting Report of the 41st Meeting of the Joint Video Experts Team

Status: Report document from the chair of JVET

Purpose: Report

1 Summary

MEETING NOTES

[JVET-K0153](#) CE2.3.5 CTU adaptive sample adaptive offset [T. Ikai (Sharp)]

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