

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

Document: JVET-AF0203

MPEG: m65051

32nd Meeting, Hannover, DE, 13-20 October 2023

Title: Crosscheck of JVET-AF0112 (EE2-5.1: Dynamic Scaling of Bilateral Filter)

Status: Input document to JVET

Purpose: Proposal

**Author(s) or
Contact(s):** [Wenbin Yin](#) | yinwenbin.hit@bytedance.com | submitter (ByteDance)

Source: ByteDance

HEADER EXCERPT FROM SOURCE DOCUMENT

Abstract

This contribution reports the crosscheck results of EE2-5.1 [1]. In EE2-5.1, three additional techniques for Bilateral Filter (BF) are proposed:

The TU scale factor depends on the TU shape size.

The TU scale factor depends on the mean absolute difference (MAD) of the TU.

The BIF LUTs are interpolated.

The 5.1A and 5.1B are two subtests of EE2-5.1, the above mentioned three elements are tested in 5.1A while only first two elements are tested in 5.1B.

Built from JVET-AF0203_CrossCheck_of_EE2_5_1.docx

LINKS

CARD

JVET-AF0203

<http://vexpertise.stbit.ru/documents/JVET-AF0203>

JVET Search

Wenbin Yin203(m65053)

Crosscheck of JVET-AF0112 (EE2-5.1: Dynamic Scaling of Bilateral Filter)

Authors:

ABSTRACT

MEETING NOTES



SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=13464

JVET

User

Preview document JVET-AF0203

Document Information

Submitted by: Jorma-Pekka Ojan

Title: Crosscheck of JVET-AF0112 (EE2-5.1: Dynamic Scaling of Bilateral Filter)

Authors: V. Sengul

Document: JVET-AF0203 (draft document)

Comments

Associated Resources



ARCHIVE

archive

https://jvet-experts.org/doc_end_user/documents/32_Hannover/wg11/JVET-AF0203-v1.zip

DOC

JVET-AF0203_CrossCheck_of_EE2_5_1.docx

XLS

JVET-AF0203_CrossCheck_of_EE2_5_1_A.xlsm

XLS

JVET-AF0203_CrossCheck_of_EE2_5_1_B.xlsm



MEETING NOTES

external meeting notes

http://vexpertise.stbit.ru/meeting-notes/source/meeting_32_af

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

32nd Meeting: Hannover, DE, October 2023

Document: JVET-AF0203

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-AF0203](#) Crosscheck of JVET-AF0112 (EE2-5.1: Dynamic Scaling of Bilateral Filter) [W. Yin (Bytedance)] [late]

CITATION

W. Yin, "Crosscheck of JVET-AF0112 (EE2-5.1: Dynamic Scaling of Bilateral Filter)", JVET-AF0203, 32nd Meeting: Hannover, DE, October 2023.

REFERENCES

- [V. Shchukin, P. Wennersten, J. Ström, "EE2-5.1: Dynamic Scaling of Bilateral Filter \(BIF\)", JVET-AF0112, 32nd Meeting: Hannover, DE, October 2023.](#)