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Title: Crosscheck of JVET-P0170: CE7-related: on Simplification of coding transform coefficient level

Status: Input document to JVET

Purpose: Proposal

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Source: Huawei

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Abstract

Performance and algorithm proposed in JVET-P0170 is verified in this report. The proponent provided a simplified method for deriving the variable ZeroPos[n] that has negligible impact on BD-rate. This fact had been investigated and then confirmed.

Introduction

This contribution which is cross-checked in this report proposes a simplified method for deriving the variable ZeroPos[n] associated with the reconstruction of the coefficient level value from the decoded syntax element dec_abs_level.

Code provided perfectly matches specification in JVET-P0170. Syntax modification is straightforward, sample-processing isn't changed.

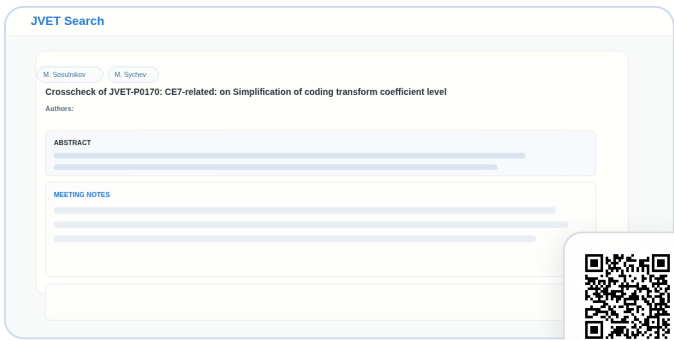
Test results

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CARD

JVET-P0966

<http://vexpertise.stbit.ru/documents/JVET-P0966>



ARCHIVE

archive v1

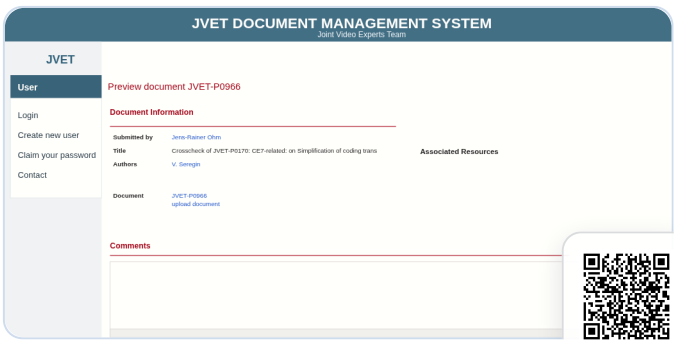
https://jvet-experts.org/doc_end_user/documents/16_Geneva/wg11/JVET-P0966-v1.zip



SOURCE

external source

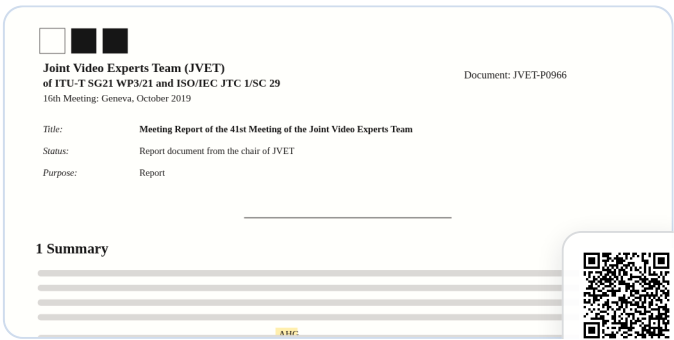
https://jvet-experts.org/doc_end_user/current_document.php?id=8781



MEETING NOTES

external meeting notes

https://www.itu.int/wftp3/av-arch/jvet-site/2019_10_P_Geneva/JVET-P_Notes_dG.docx



MEETING NOTES

JVET-P0966 Crosscheck of JVET-P0170: CE7-related: on Simplification of coding transform coefficient level [M. Sosulnikov, M. Sychev (Huawei)]

CITATION

M. Sosulnikov, M. Sychev, "Crosscheck of JVET-P0170: CE7-related: on Simplification of coding transform coefficient level", JVET-P0966, 16th Meeting: Geneva, October 2019.

REFERENCES

1. [S.-T. Hsiang, T.-D. Chuang, Y.-W. Huang, S.-M. Lei, "CE7-related: Simplification of coding transform coefficient levels", JVET-P0170, 16th Meeting: Geneva, October 2019.](#)