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Title: Crosscheck of JVET-O0208: Non-CE9: An improvement of early termination for BDOF

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Source: Sony

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Abstract

This contribution reports the crosscheck results for JVET-O0208. And, the software implementation analysis is also reported. Based on the analysis, it is confirmed that the implementation is consistent with the description in the JVET-O0208. For simulation results, it is confirmed that the results are same as JVET-O0208 for BD-rate. For simulation runtime, the encoding time and decoding time are almost same as results of JVET-O0208.

Introduction

A software source code was provided from one of authors in [1]. It was implemented into VTM-5.0. We checked the code and run simulations to compare the results in [1]. It will be reported following sections. For specification text, the text changes are provided in [1] based on [2].

Source code analysis

The source code was checked for code analysis. For the result, it is commented as following.

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CARD

<http://vexpertise.stbit.ru/documents/JVET-O0987>



https://jvet-experts.org/doc_end_user/current_document.php?id=7623



https://jvet-experts.org/doc_end_user/documents/15_Gothenburg/wg11/JVET-O0987-v1.zip



https://www.itu.int/wftp3/av-arch/jvet-site/2019_07_O_Gothenburg/JVET-O_Notes_dF.docx



[JVET-O0987](#) Crosscheck of JVET-O0208: Non-CE9: An improvement of early termination for BDOF [K. Kondo, M. Ikeda (Sony)]

K. Kondo, M. Ikeda, "Crosscheck of JVET-O0208: Non-CE9: An improvement of early termination for BDOF", JVET-O0987, 15th Meeting: Gothenburg, SE, July 2019.

1. [T. Chujo, E. Sasaki, T. Ikai, "Non-CE9: An improvement of early termination for BDOF", JVET-O0208, 15th Meeting: Gothenburg, SE, July 2019.](#)