

Title: Cross-check of JVET-AL0334: Non-EE2: On virtual intra prediction mode (VIPM) derivation for transform selection

Status: Input document to JVET

Purpose: Proposal

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Abstract

The document presents the results of partial cross-check of JVET-AL0334: Non-EE2: On virtual intra prediction mode (VIPM) derivation for transform selection. No differences in obtained results were observed in AI configuration.

1 Results

The test #2 from JVET-AL0334 was partially cross-checked for AI configuration. In Table 1 below we compare our results with ones included in tested method. Table 2 shows the comparison of the anchor with the cross-check.

Table 1. CTC-based results of the cross-check in comparison with tested method.

	All Intra Main 10						
	Y			Over proposal			
	U	V		EncT	DecT	EncVmPeak	DecVmPeak
Class A1	#VALUE!	#VALUE!	#VALUE!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Class A2	#VALUE!	#VALUE!	#VALUE!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Class B	#VALUE!	#VALUE!	#VALUE!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Class C	0.00%	0.00%	0.00%	179.3%	282.8%	106.2%	125.5%
Class E	0.00%	0.00%	0.00%	180.9%	428.9%	113.1%	122.2%
Overall	#VALUE!	#VALUE!	#VALUE!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Class D	0.00%	0.00%	0.00%	136.5%	215.6%	101.0%	130.6%
Class F	#VALUE!	#VALUE!	#VALUE!	#NUM!	#NUM!	#NUM!	#NUM!
Class TGM	#VALUE!	#VALUE!	#VALUE!	#NUM!	#NUM!	#NUM!	#NUM!

Table 1. CTC-based results of the cross-check in comparison with the anchor.

All Intra Main 10							
Over ECM-16.1							
	Y	U	V	EncT	DecT	EncVmPeak	DecVmPeak
Class A1	#VALUE!	#VALUE!	#VALUE!	#NUM!	#NUM!	#NUM!	#NUM!
Class A2	#VALUE!	#VALUE!	#VALUE!	#NUM!	#NUM!	#NUM!	#NUM!
Class B	#VALUE!	#VALUE!	#VALUE!	#NUM!	#NUM!	#NUM!	#NUM!
Class C	-0.09%	0.04%	0.08%	87.7%	52.6%	100.7%	99.8%
Class E	-0.19%	-0.09%	-0.18%	84.4%	34.9%	100.0%	99.7%
Overall	#VALUE!	#VALUE!	#VALUE!	#NUM!	#NUM!	#NUM!	#NUM!
Class D	-0.07%	-0.04%	-0.08%	109.7%	67.5%	100.0%	98.5%
Class F	#VALUE!	#VALUE!	#VALUE!	#NUM!	#NUM!	#NUM!	#NUM!
Class TGM	#VALUE!	#VALUE!	#VALUE!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!