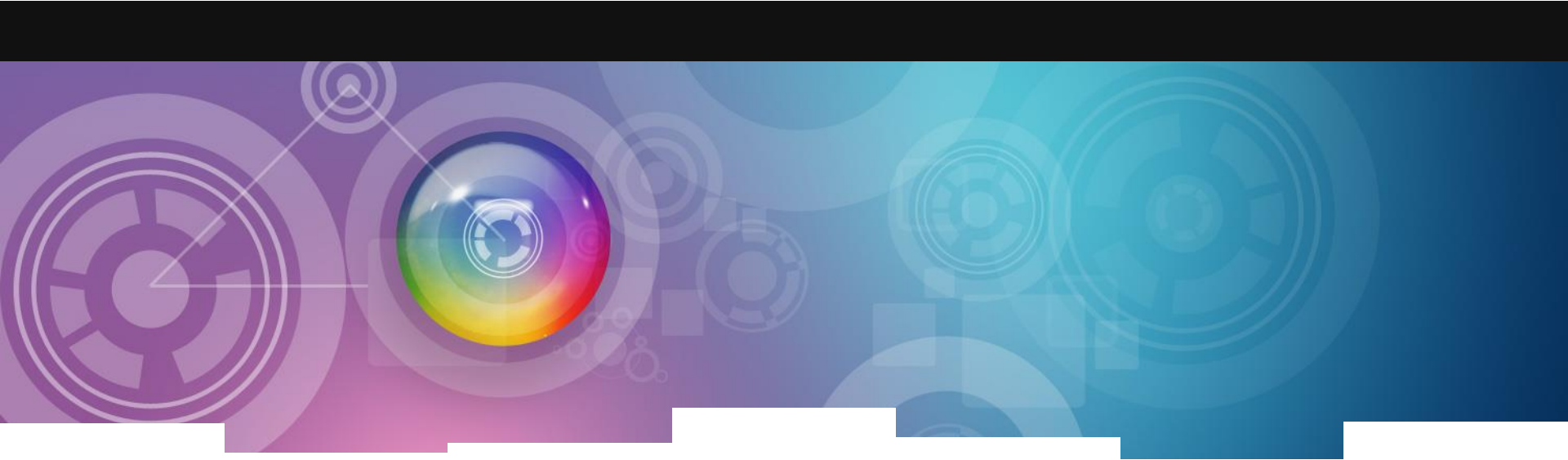


CE3.7: Bi-Directional Intra Prediction (test 7.1.1)

JVET-K0163



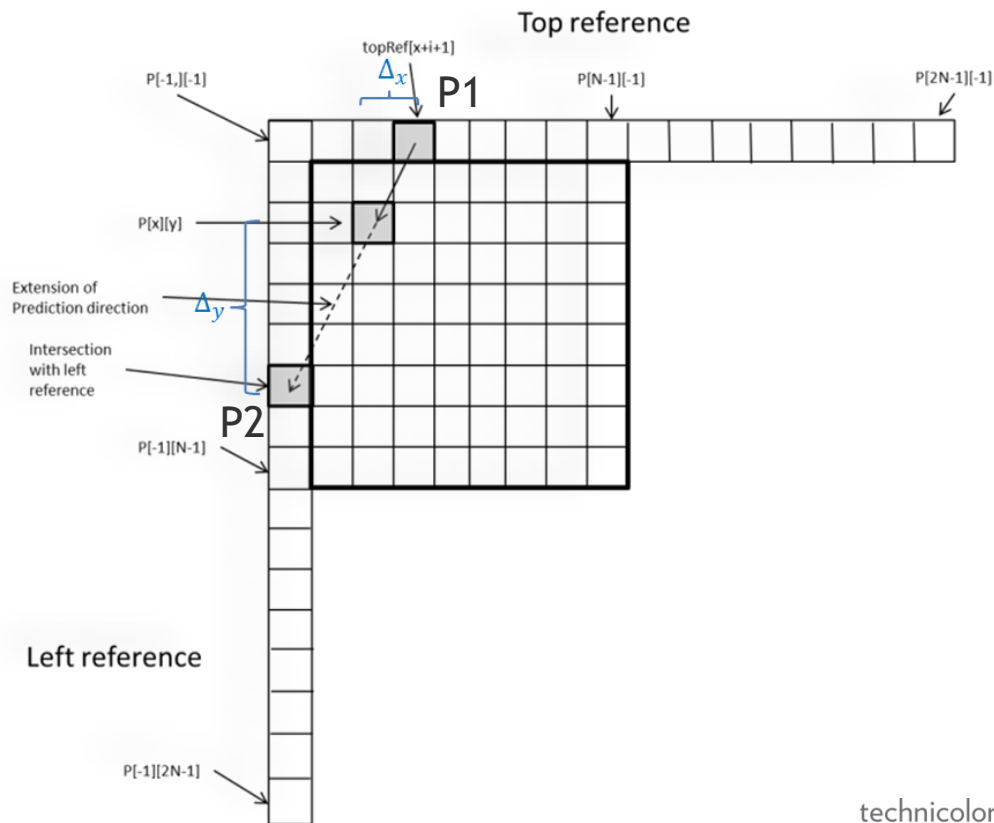
Description

- Directions crossing both left and above reference sample lines

- $\hat{P} = P1 + \Delta P$

- $\Delta P = \frac{(P2 - P1) * \Delta_x}{((1+x) \ll 5) + \Delta_x}$

- CU-level flag transmitted



Results

	All Intra Main10				
	Over VTM			EncT	DecT
	Y	U	V		
Class A1	-0.28%	-0.35%	-0.28%	113%	97%
Class A2	-0.20%	-0.25%	-0.22%	112%	101%
Class B	-0.29%	-0.29%	-0.29%	112%	96%
Class C	-0.25%	-0.30%	-0.44%	110%	95%
Class E	-0.29%	-0.23%	-0.20%	111%	97%
Overall	-0.26%	-0.29%	-0.30%	111%	97%
Class D	-0.28%	-0.34%	-0.27%	110%	98%

	Random Access Main 10				
	Over VTM			EncT	DecT
	Y	U	V		
Class A1	-0.19%	-0.35%	-0.17%	103%	102%
Class A2	-0.12%	-0.14%	-0.19%	102%	101%
Class B	-0.23%	-0.34%	-0.50%	102%	101%
Class C	-0.25%	-0.34%	-0.33%	102%	103%
Overall	-0.20%	-0.30%	-0.33%	102%	102%
Class D	-0.13%	-0.33%	-0.48%	102%	105%

	All Intra Main10				
	Over BMS			EncT	DecT
	Y	U	V		
Class A1	-0.61%	-0.99%	-0.95%	103%	99%
Class A2	-0.31%	-0.68%	-0.56%	104%	98%
Class B	-0.38%	-0.61%	-0.69%	102%	96%
Class C	-0.31%	-0.39%	-0.41%	102%	93%
Class E	-0.31%	-0.49%	-0.68%	100%	95%
Overall	-0.38%	-0.62%	-0.65%	102%	96%
Class D	-0.23%	-0.36%	-0.53%	102%	97%

	Random Access Main 10				
	Over BMS			EncT	DecT
	Y	U	V		
Class A1	-0.45%	-0.96%	-1.07%	103%	100%
Class A2	-0.19%	-0.56%	-0.28%	102%	101%
Class B	-0.26%	-0.54%	-0.84%	103%	100%
Class C	-0.22%	-0.30%	-0.49%	102%	100%
Overall	-0.27%	-0.56%	-0.68%	103%	100%
Class D	-0.15%	-0.16%	-0.47%	103%	100%