Tunable VVC Frame Partitioning Based on Lightweight

Citation Report

#	ARTICLE	IF	CITATIONS
1	Context-Based Ternary Tree Decision Method in Versatile Video Coding for Fast Intra Coding. IEEE Access, 2019, 7, 172597-172605.	4.2	44
2	Fast Sample Adaptive Offset Jointly Based on HOG Features and Depth Information for VVC in Visual Sensor Networks. Sensors, 2020, 20, 6754.	3.8	3
3	CNN Oriented Complexity Reduction Of VVC Intra Encoder. , 2020, , .		50
4	Adaptive CU Split Decision Based on Deep Learning and Multifeature Fusion for H.266/VVC. Scientific Programming, 2020, 2020, 1-11.	0.7	10
5	Fast CU Partition and Intra Mode Decision Method for H.266/VVC. IEEE Access, 2020, 8, 117539-117550.	4.2	64
6	Fast CU partition decision for H.266/VVC based on the improved DAG-SVM classifier model. Multimedia Systems, 2021, 27, 1-14.	4.7	26
7	Configurable Fast Block Partitioning for VVC Intra Coding Using Light Gradient Boosting Machine. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3947-3960.	8.3	29
8	DeepQTMT: A Deep Learning Approach for Fast QTMT-Based CU Partition of Intra-Mode VVC. IEEE Transactions on Image Processing, 2021, 30, 5377-5390.	9.8	95
9	Fast Intra Mode Decision Algorithm for Versatile Video Coding. IEEE Transactions on Multimedia, 2022, 24, 400-414.	7.2	57
10	AV1 and VVC Video Codecs: Overview on Complexity Reduction and Hardware Design. IEEE Open Journal of Circuits and Systems, 2021, 2, 564-576.	1.9	2
11	Complexity Analysis of a Versatile Video Coding Decoder over Embedded Systems and General Purpose Processors. Sensors, 2021, 21, 3320.	3.8	4
12	SVM Based Fast CU Partitioning Algorithm for VVC Intra Coding. , 2021, , .		31
13	Fast Versatile Video Coding using Specialised Decision Trees. , 2021, , .		4
14	Fast partitioning strategies for VVC and their implementation in an Open Optimized Encoder. , 2021, , .		6
15	Encoding Complexity Analysis and Reduction for a Practically-Oriented VVC Encoder Implementation. , 2021, , .		1
16	Split Unit Coding Order for Video Coding. , 2021, , .		0
17	Early Intra CU Size Decision for Versatile Video Coding Based on a Tunable Decision Model. IEEE Transactions on Broadcasting, 2021, 67, 710-720.	3.2	38
18	Fast CU Decision-Making Algorithm Based on DenseNet Network for VVC. IEEE Access, 2021, 9, 119289-119297.	4.2	26

#	Article	IF	Citations
19	An efficient low-complexity block partition scheme for VVC intra coding. Journal of Real-Time Image Processing, 2022, 19, 161-172.	3.5	7
20	A Fast Multi-Type Tree Decision Algorithm for VVC Based on Pixel Difference of Sub-Blocks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 856-859.	0.3	1
21	FastSCCNet: Fast Mode Decision in VVC Screen Content Coding via Fully Convolutional Network. , 2020, , .		8
22	Lightweight Hardware Transform Design for the Versatile Video Coding 4K ASIC Decoders. IEEE Transactions on Consumer Electronics, 2021, 67, 329-340.	3.6	9
23	Energy Efficient Video Decoding for VVC Using a Greedy Strategy-Based Design Space Exploration. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4696-4709.	8.3	11
24	Towards Fast and Efficient VVC Encoding. , 2020, , .		17
25	Machine Learning for Multimedia Communications. Sensors, 2022, 22, 819.	3.8	4
26	VVC Search Space Analysis Including an Open, Optimized Implementation. IEEE Transactions on Consumer Electronics, 2022, 68, 127-138.	3.6	6
27	Depth-Wise Split Unit Coding Order for Video Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6375-6384.	8.3	0
28	HEVC Video Encryption With High Capacity Message Embedding by Altering Picture Reference Indices and Motion Vectors. IEEE Access, 2022, 10, 22320-22329.	4.2	4
29	Fast coding unit size decision based on deep reinforcement learning for versatile video coding. Multimedia Tools and Applications, 0, , 1.	3.9	2
30	VVC partitioning decision driven by machine learning for a comprehensive hardware encoder. , 2021, , .		0
31	Deep Motion Vector Prediction for Versatile Video Coding. , 2021, , .		1
32	Fast CU Size Decision Method Based on Just Noticeable Distortion and Deep Learning. Scientific Programming, 2021, 2021, 1-10.	0.7	1
33	Efficient Partition Decision Based on Visual Perception and Machine Learning for H.266/Versatile Video Coding. IEEE Access, 2022, 10, 42141-42150.	4.2	13
35	Scalable Intra Coding Optimization for Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7092-7106.	8.3	3
36	Precise Encoding Complexity Control for Versatile Video Coding. IEEE Transactions on Broadcasting, 2023, 69, 33-48.	3.2	3
37	SVM-Based Fast CU Partition Decision Algorithm for VVC Intra Coding. Electronics (Switzerland), 2022, 11, 2147.	3.1	9

#	Article	IF	Citations
38	High Efficiency Intra CU Partition and Mode Decision Method for VVC. IEEE Access, 2022, 10, 77759-77771.	4.2	8
39	Fast QTMT decision tree for Versatile Video Coding based on deep neural network. Multimedia Tools and Applications, 2022, 81, 42731-42747.	3.9	5
40	Efficient VVC Intra Prediction Based on Deep Feature Fusion and Probability Estimation. IEEE Transactions on Multimedia, 2023, 25, 6411-6421.	7.2	7
41	Lookahead Search-based Low-complexity Multi-type Tree Pruning Method for Versatile Video Coding (VVC) Intra Coding. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2022, , .	0.3	1
42	Fast mode decision for CU coding based on CNN for the VVC standard. Journal of Electronic Imaging, 2022, 31, .	0.9	3
43	Temporal Prediction Model-Based Fast Inter CU Partition for Versatile Video Coding. Sensors, 2022, 22, 7741.	3.8	2
44	Low-Complexity Multi-Type Tree Partitioning for Versatile Video Coding Based on Machine Learning. , 2022, , .		0
45	CNN-Based Fast CU Partitioning Algorithm for VVC Intra Coding. , 2022, , .		4
46	Intra Encoding Complexity Control with a Time-Cost Model for Versatile Video Coding. , 2022, , .		3
47	Learning-Based Multi-Stage Intra Partition for Versatile Video Coding. , 2022, , .		1
48	Effective QTMT Partition Decision Algorithm for VVC Intercoding. , 2022, , .		1
49	A Hardware-Friendly and Configurable Heuristic Targeting VVC Inter-Frame Prediction. , 2022, , .		2
50	A Novel Video Transmission Latency Measurement Method for Intelligent Cloud Computing. Applied Sciences (Switzerland), 2022, 12, 12884.	2.5	2
51	Machine Learning Based Efficient QT-MTT Partitioning Scheme for VVC Intra Encoders. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 4279-4293.	8.3	7
52	Effective VVC Intra Prediction Based on Ensemble Learning. , 2022, , .		0
53	A classification–prediction joint framework to accelerate QTMT–based CU partition of inter–mode VVC. Electronics Letters, 2023, 59, .	1.0	0
54	Partition Map Prediction for Fast Block Partitioning in VVC Intra-Frame Coding. IEEE Transactions on Image Processing, 2023, 32, 2237-2251.	9.8	4
55	Fast CU Division Pattern Decision Based on the Combination of Spatio-Temporal Information. Electronics (Switzerland), 2023, 12, 1967.	3.1	2

#	Article	IF	Citations
56	Low-complexity CNN-based CU partitioning for intra frames. Journal of Real-Time Image Processing, 2023, 20, .	3.5	0
57	Fast CU Partitioning Algorithm for VVC Based on Multi-Stage Framework and Binary Subnets. IEEE Access, 2023, 11, 56812-56821.	4.2	1
58	Fast Algorithm for CU Size Decision Based on Ensemble Clustering for Intra Coding of VVC 3D Video Depth Map. Electronics (Switzerland), 2023, 12, 3098.	3.1	0
59	Extreme Learning Machine-Enabled Coding Unit Partitioning Algorithm for Versatile Video Coding. Information (Switzerland), 2023, 14, 494.	2.9	0
60	Learning-Based Fast VVC Affine Motion Estimation. , 2023, , .		1
61	Overview of intelligent video coding: from model-based to learning-based approaches. , 2023, 1, .		1
62	Fast CU partition strategy based on texture and neighboring partition information for Versatile Video Coding Intra Coding. Multimedia Tools and Applications, 2024, 83, 28323-28340.	3.9	0
63	Paired decision trees for fast intra decision in H.266/VVC. Displays, 2023, 80, 102545.	3.7	1
64	Fast Adaptive CU Partition Decision Algorithm for VVC Intra Coding. IEEE Access, 2023, 11, 119766-119778.	4.2	1
65	Towards Digital Sobriety: Why Improving the Energy Efficiency of Video Streaming is Not Enough. , 2023, , .		0
66	Multitask Learning-Based Early MTT Partition Decision forÂVersatile Video Coding. Lecture Notes in Computer Science, 2024, , 488-499.	1.3	0
67	CNN-based ternary tree partition approach for VVC intra-QTMT coding. Signal, Image and Video Processing, 2024, 18, 3587-3594.	2.7	0
68	Review and evaluation of VVC fast partitioning search methods using a common baseline. , 2024, , .		0