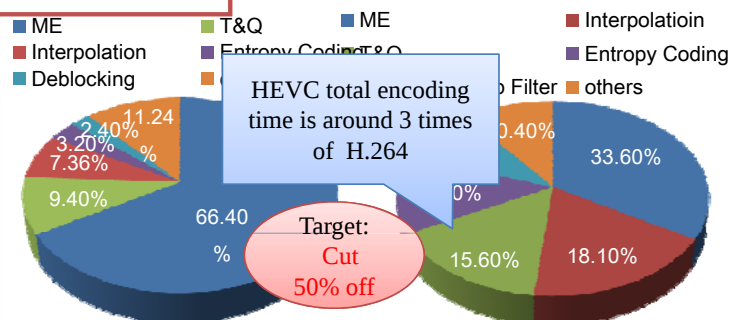


Content Based Low Complexity Algorithms for High Efficiency Video Coding

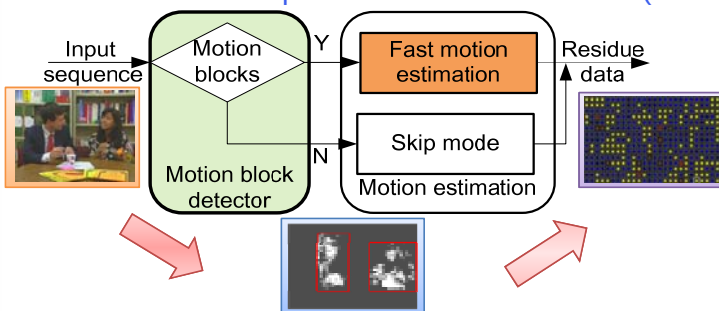
蘇佳 池永研究室博士課程修了

Motivation

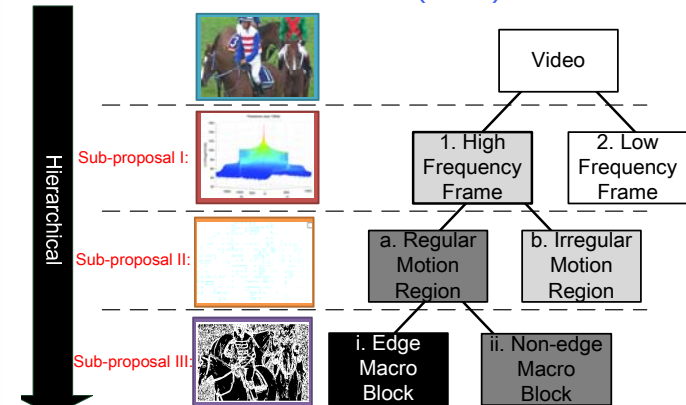


Proposals

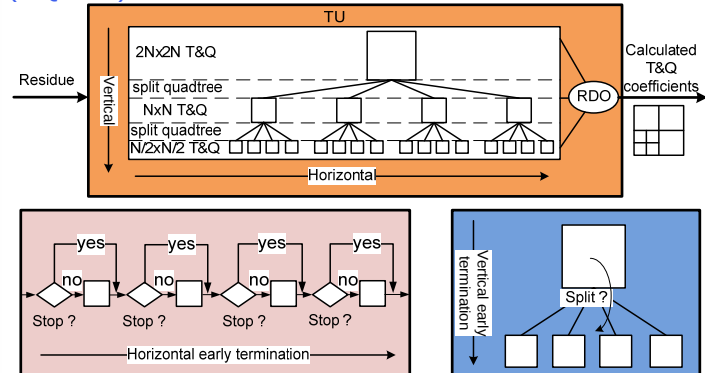
Content Based Skip Mode Pre-decision in ME (CFME)



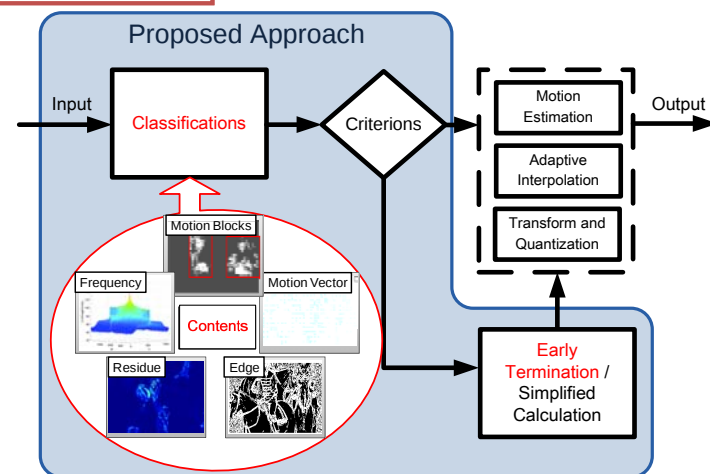
Content Based Hierarchical AIF (CAIF)



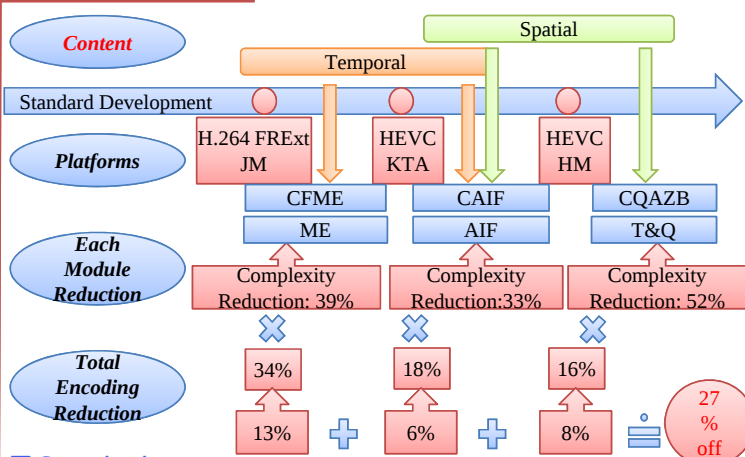
Content Based Quadtree All Zero Block Detection (CQAZB)



Approach



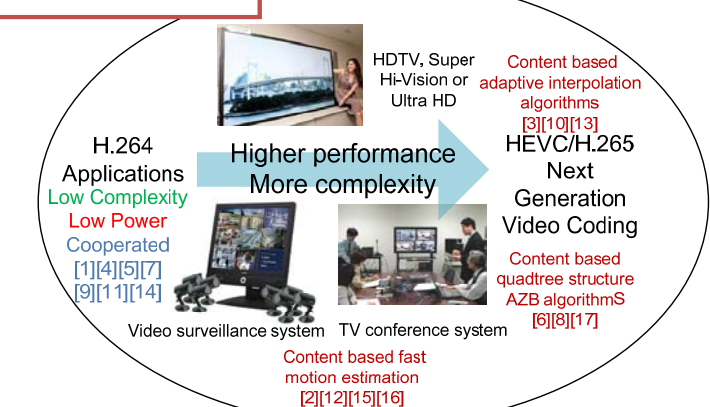
Evaluations



Conclusion

By using **content based** low complexity algorithm, **one third** computation reduction in the HEVC encoder.

Publications



6 Journal papers, 11 Conference papers



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