# 8x8 Transformation Based All Zero Block Detection For H.264/AVC Encoder

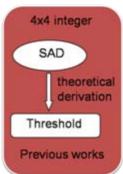
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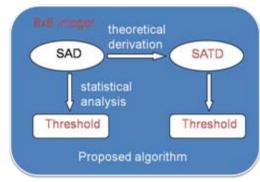
## Background

- H.264/MPEG-4 AVC is the latest international codina standard, with very performance and enormous computations.
- Adaptively transformation tool was added enhance for the growth of HDTV market demand by JVT currently, which consumes more computations.
- Reducing the complexity of an 8x8 integer transform and quantization has became an urgent
- Our research introduce all block zero algorithm to solve these problem.

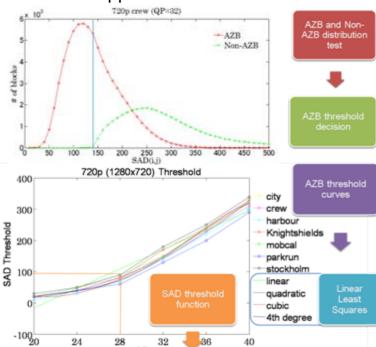
### Proposals

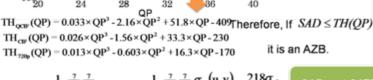
- SAD value based early termination algorithm for 8x8 integer DCT and quantization
- SATD value based early termination algorithm for 8x8 integer DCT and quantization

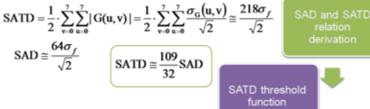


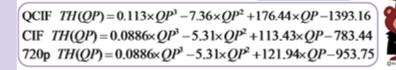


#### Research approach

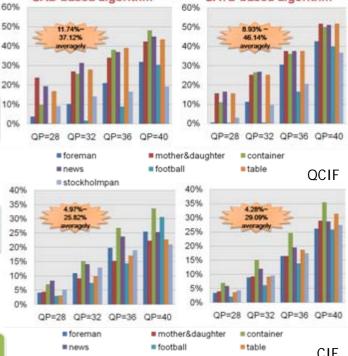


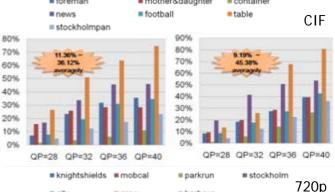












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