A Low-Cost CAVLC Encoder

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Abstract

In H.264, the context-based adaptive variable length coding (CAVLC) is used for losslesscompression. Direct table-lookup implementation requires higher cost because it employs a larger memory to produce the encoded results. In this letter, we present a more efficient technique for CAVLC implementation. Compared with those previous CAVLC chips, our design requires the lowest hardware cost.

Key Words: H.264, low-cost, context-based adaptive variable length coding