عنوان مقاله:

AN EFFICIENT ARCHITECTURE FOR CONTEXT-BASED ARITHMETIC CODING

محل انتشار:

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خلاصه مقاله:

Significant progress has recently been made in loss-less image compression using discrete wavelet transforms. The overall performance of these schemes may be further improved by properly designing of efficient entropy coders. In this paper, we describe an efficient architecture for the context-based arithmetic coding in continuous-tone, color and multi-component digital still images. Optimizations have been made in our proposed architecture to reduce accesses to memories. Our Proposed architecture can be used for JPEG2000 image compression system.

کلمات کلیدی:

JPEG2000, context-based arithmetic coding, Coefficient Bit Modeler, EBCOT Binary Arithmetic Coder, BAC

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