

ABSTRACT

The present disclosure relates to the field of audio and video techniques. Provided are methods for performing encoding and decoding, a decoding end and an encoding end. The method comprises: acquiring encoded data of a current block; acquiring, from the encoded data, an index of a transform kernel pair associated with the current block, wherein adaptive binary arithmetic decoding is performed on a first bit of a binarized codeword corresponding to the index of the transform kernel pair on the basis of a context model; and determining the transform kernel pair corresponding to the current block according to the index of the transform kernel pair, wherein the transform kernel pair comprises a horizontal transform kernel and a vertical transform kernel. The present disclosure facilitates enhancing encoding and decoding performance.

Fig.9