CODING METHOD, BITSTREAM, ENCODER, DECODER, AND STORAGE MEDIUM

ABSTRACT

A coding method, a bitstream, an encoder, a decoder, and a storage medium are provided. The method includes the following. If a preset intra prediction mode is to be applied to a current block, a block vector list for the current block is constructed; a prediction block for the current block is determined according to the block vector list for the current block. The block vector list for the current block satisfies at least one of the following. The block vector list is constructed by performing an auto-relocated block vector prediction (AR-BVP) process at least twice, and between the at least two AR-BVP processes, checking is performed on at least one non-AR-BVP block vector. The block vector list includes a block vector for a reference block corresponding to a guiding block vector for the current block. The block vector list includes a subsample-precision block vector, where the subsample-precision block vector is used for decoder-side intra mode derivation (DIMD), or template-based intra mode derivation (TIMD), or spatial geometric partitioning mode (SGPM). The block vector list is obtained by sorting template error values corresponding to block vectors in the block vector list, where the template error values corresponding to the block vectors are determined in a preset template-error calculation method, and the preset template-error calculation method is determined according to an error calculation method for a template search process corresponding to the current block or second syntax flag information transmitted in a bitstream.

Figure 13