

PICTURE PREDICTION METHOD AND APPARATUS, AND CODEC

ABSTRACT

This application provides a picture prediction method and apparatus, and a codec.

5 The method includes: obtaining initial motion information of a current picture block;
determining positions of N forward reference blocks and positions of N backward
reference blocks based on the initial motion information and a position of the current
picture block; determining, from positions of M pairs of reference blocks based on a
matching cost criterion, that positions of a pair of reference blocks are a position of a
10 target forward reference block of the current picture block and a position of a target
backward reference block of the current picture block, where positions of each pair of
reference blocks include a position of a forward reference block and a position of a
backward reference block; and for the positions of each pair of reference blocks, a first
position offset and a second position offset are in a mirror relationship; and obtaining a
15 predicted value of a pixel value of the current picture block based on a pixel value of
the target forward reference block and a pixel value of the target backward reference
block. This application can improve picture prediction accuracy and reduce picture
prediction complexity.

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Figure 3