ABSTRACT

A picture prediction method and a related apparatus are disclosed. The picture prediction method includes: determining motion vectors of W control points in a current picture block; obtaining, by means of calculation, motion vectors of P pixel units of the current picture block by using a motion model and the motion vectors of the W control points, where precision of the determined motion vectors of the W control points is 1/n of pixel precision, precision of a motion vector that is obtained by means of calculation and that is of each of the P pixel units is 1/N of the pixel precision, the P pixel units are some or all of pixel units of the current picture block, and N is greater than n; and performing interpolation filtering on a pixel of a corresponding reference pixel unit, in a reference picture, of each of the P pixel units by using an interpolation filter with a phase of Q, to obtain a predicted pixel value of each of the P pixel units, where Q is greater than n. Technical solutions provided in embodiments of the present invention help reduce calculation complexity during a picture prediction process.

FIGURE 2a