IMAGE CODING AND DECODING METHOD, IMAGE DATA PROCESSING METHOD, AND DEVICES THEREOF

ABSTRACT

The present invention discloses a method for coding an image, a method for decoding an image, a method for processing image data, and devices thereof. The method for coding the image according to the present invention includes: determining a current intra coding block that uses a constrained intra prediction method among current inter coded frames; determining that neighboring coding blocks that are adjacent to the current intra coding block include a neighboring inter coding block; updating image data in the neighboring inter coding block based on an invariable value or image data in a neighboring intra coding block included in the neighboring coding blocks; and coding the current intra coding block based on the updated image data in the neighboring inter coding block. The device that is used for coding an image according to the present invention includes: a first determining module, a second determining module, an updating module, and an coding module. By using the methods and devices according to the present invention, the error recovery capability of an intra coding block may be improved, and the image data decoding quality may be improved.