

7. A video coding method capable of selecting, from among a plurality of color spaces, a color space of a prediction error signal in coded block units, the method comprising:

deriving a chroma quantization offset for each color space; and

inverse-quantizing a quantization coefficient image by using the chroma quantization offset for each color space.

8. A video decoding method capable of selecting, from among a plurality of color spaces, a color space of a prediction error signal in coded block units, the method comprising:

deriving a chroma quantization offset for each color space; and

inverse-quantizing a quantization coefficient image by using the chroma quantization offset for each color space.

9. A computer readable information recording medium storing a video coding program for performing a video coding method capable of selecting, from among a plurality of color spaces, a color space of a prediction error signal in coded block units, the program causing a computer to perform:

a process of deriving a chroma quantization offset for each color space; and
 a process of inverse-quantizing a quantization coefficient image by using the chroma
 quantization offset for each color space.

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10. A computer readable information recording medium storing a video decoding program
 for performing a video decoding method capable of selecting, from among a plurality of color
 spaces, a color space of a prediction error signal in coded block units, the program causing a
 computer to perform:

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a process of deriving a chroma quantization offset for each color space; and
 a process of inverse-quantizing a quantization coefficient image by using the chroma
 quantization offset for each color space.