

IMAGE PROCESSING APPARATUS AND METHOD

ABSTRACT

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The present disclosure relates to an image processing apparatus and an image processing method for enabling suppression of an increase in a memory capacity required for orthogonal transform and inverse orthogonal transform.

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A transformation matrix is derived using a submatrix configuring a part of the transformation matrix, a prediction residual of an image is orthogonally transformed using the derived transformation matrix, and coefficient data obtained by orthogonally transforming the prediction residual is encoded to generate a bit stream. The present disclosure can be applied to, for example, an image processing apparatus, an image encoding device, an image decoding device, or the like.

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Figure 85