ABSTRACT

IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE ENCODING PROGRAM, IMAGE PREDICTIVE DECODING DEVICE, IMAGE PREDICTIVE DECODING METHOD, AND IMAGE PREDICTIVE DECODING PROGRAM

An image predictive encoding device can efficiently encode an image, while suppressing an increase in prediction information and reducing the prediction error of a target block. In an image predictive encoding device according to one embodiment, to produce a prediction signal of a partition in a target region, it is decided whether prediction information of a neighbouring region can be used. When prediction information of the neighbouring region can be used, a region width of the partition where the prediction information of the neighbouring region is used to produce the prediction signal is determined. The prediction signal of the target region is produced from a reconstructed signal based on the prediction information of the target region, the prediction information of the neighbouring region, and the region width. The prediction information, information identifying the region width, and a residual signal between the prediction signal and an original signal of the target region are encoded.

Figure 1