IMAGE CODING DEVICE, IMAGE CODING METHOD, IMAGE CODING PROGRAM, TRANSMISSION DEVICE, TRANSMISSION METHOD, TRANSMISSION PROGRAM, IMAGE DECODING DEVICE, IMAGE DECODING METHOD, IMAGE DECODING PROGRAM, RECEPTION DEVICE, RECEPTION METHOD, AND RECEPTION PROGRAM

[ABSTRACT]

In a picture coding device that partitions differential information between a picture that is a coding target and a picture that is a prediction target into a plurality of sub blocks and codes the partitioned sub blocks in a predetermined sequence, a significant sub block information coding controller (708) and a calculation encoder (701) code significant sub block information that represents whether or not all the values of differential coefficients belonging to the sub block are zero. A significant coefficient information coding controller (706) and the calculation encoder (701) code significant differential coefficient information that represents whether or not the value of the differential coefficient is zero. A differential coefficient value coding controller (707) and the calculation encoder (701) code the value of the differential coefficient.

[FIG.15]

PICTURE CODING DEVICE, PICTURE CODING METHOD, AND PICTURE CODING PROGRAM, AND PICTURE DECODING DEVICE, PICTURE DECODING METHOD, AND PICTURE DECODING PROGRAM

[ABSTRACT]

In a picture coding device that partitions differential information between a picture that is a coding target and a picture that is a prediction target into a plurality of sub blocks and codes the partitioned sub blocks in a predetermined sequence, a significant sub block information coding controller (708) and a calculation encoder (701) code significant sub block information that represents whether or not all the values of differential coefficients belonging to the sub block are zero. A significant coefficient information coding controller (706) and the calculation encoder (701) code significant differential coefficient information that represents whether or not the value of the differential coefficient is zero. A differential coefficient value coding controller (707) and the calculation encoder (701) code the value of the differential coefficient.

[Figure 15]