

CONTENT-ADAPTIVE ONLINE TRAINING METHOD AND APPARATUS FOR POST-FILTERING

ABSTRACT OF THE DISCLOSURE

Aspects of the disclosure provide a method, an apparatus, and a non-transitory computer-readable storage medium for video decoding. The apparatus can include processing circuitry. The processing circuitry is configured to receive an image or video comprising one or more blocks. The processing circuitry can decode a first post-filtering parameter in the image or video corresponding to the one or more blocks to be reconstructed. The first post-filtering parameter applies to at least one of the one or more blocks and has been updated by a post-filtering module in a post-filtering neural network (NN) that is trained based on a training dataset. The processing circuitry can determine the post-filtering NN in a video decoder corresponding to the one or more blocks based on the first post-filtering parameter. The processing circuitry can decode the one or more blocks based on the determined post-filtering NN corresponding to the one or more blocks.

Figure 1A