

ENHANCED TRAINING METHOD AND APPARATUS FOR IMAGE RECOGNITION MODEL

ABSTRACT

Implementations of the present specification provide an enhanced training
5 method for an image recognition model. A predetermined quantity or predetermined
proportion of samples are randomly selected from a first sample set as a seed sample
for extension to obtain several extended samples. The extended sample is obtained by
adding disturbance to an original image without changing an annotation result. In a
sample extension process, disturbance values are arranged towards neighborhood in
10 predetermined distribution with a reference pixel as a reference, so that real
disturbance can be well simulated. Because the annotation result of the extended
sample remains unchanged after the disturbance is added, an image recognition model
trained by using the extended sample can well recognize a target recognition result of
an original image, thereby improving robustness of the image recognition model.

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FIG. 5