

METHOD, DEVICE, AND APPARATUS FOR OBJECT DETECTION, AND COMPUTER READABLE STORAGE MEDIUM

ABSTRACT

A method, device, and apparatus for object detection, and a computer readable storage medium are provided in implementations of the disclosure. The method includes the following. Object detection is performed on images of at least one second domain with a neural network to obtain detection results, where the neural network is trained with a first image sample set for a first domain. For at least one image among the images of the at least one second domain of which the detection result has a confidence level that is lower than a first threshold, the at least one image is assigned as an image sample in at least one second image sample set. At least one image sample is selected from the first image sample set and at least one image sample is selected from each of the at least one second image sample set. Object detection is performed on each selected image sample with the neural network to output a prediction result. A value of a network parameter of the neural network is adjusted according to the prediction result and a ground truth of each selected image sample. With aid of the above, the neural network can also meet detection requirements on objects in the new scene, in addition to maintaining the existing detection performance for the trained scene.

Figure 1