

ABSTRACT

The present application relates to the technical field of computer vision (image) or machine learning of artificial intelligence, and provides a method for assessing the quality of an image or a video on the basis of an approximation value, and a related apparatus. The method may comprise: on the basis of a parameter of an acquired sample to be assessed and by using an online first model, calculating a first approximation value that approximates a subjective truth value of said sample, wherein the first model is a model obtained on the basis of an offline second model, the second model is a model obtained by taking k training samples and subjective truth values of the k training samples as a training set, the first model is a model obtained by fitting parameters of the k training samples by taking approximation values, of the k training samples, that are acquired by means of the second model, as a reference, and k is a positive integer; and assessing the quality of an image or a video on the basis of the first approximation value. By means of the present application, insofar as the hardware cost of a server end is not increased and the assessment accuracy is ensured, the quality of an image or a video can be assessed on the basis of an approximation value, which is fed back in real time and approximates a subjective truth value.

Figure 3