A Brief Review on Blind Image Quality Evaluation Methods

Volume 163

Number 6

Year of Publication: 2017

Authors:
Sushilkumar N. Holambe, Ulhas B. Shinde, Priyanka M. Kshirsagar

10.5120/ijca2017913550

Abstract

Image Quality Assessment plays an important role in various image processing applications. It is still an active area of research. A great deal of effort has been made in recent years to develop objective image quality metrics that correlate well with perceived human quality measurement or subjective methods. Image quality assessment means estimating the quality of an image and it is used for many image processing applications. Image quality can be measured in two ways, subjective and objective method. In Subjective image quality assessment the evaluation of quality by humans is obtained by mean opinion score (MOS) method where in objective evaluation of quality is done by algorithms. It concerned with how image is perceived by a viewer and gives his or her opinion on a particular image and judge quality of the multimedia content. The human eyes extract structural information from the viewing field, so the human visual system is highly adapted for this purpose.

References


**Index Terms**

Computer Science  Image Processing

**Keywords**

Image quality assessment, objective & subjective method