Abstract

Growth in digital image processing technologies have completely change our way of life. In our
day-to-day life, we are using a number of image processing applications knowingly or
unknowingly. Many times image gets distorted somehow during the acquisition, processing,
transmission, storing or sharing. So the evaluation of image quality is essential component for
many image processing applications. Such image quality assessment techniques are the
state-of-the-art research area. This paper provides a detailed survey on various image quality
assessment methods. This review is primarily focussed on three objective quality assessment
methods viz. (full reference image quality assessment (FR-IQA), reduced reference image
quality assessment (RR-IQA), and No reference image quality assessment (NR-IQA). An
extensive review on various publically available research databases has been presented.

References

- Feng Shao, Kemeng Li, Weisi Lin, Gangyi Jiang, Mei Yu, "Using Binocular Feature Combination for Blind Quality Assessment of Stereoscopic Images," Signal Processing
A Survey on Image Quality Assessment Techniques, Challenges and Databases


**Index Terms**

Computer Science  
Image Processing

**Keywords**

Image Quality Assessment  Fr-iqa  Rr-iqa  Nr-iqa  Databases Etc.