Abstract

The image quality is improved drastically with the increase of the technology. The conventional display devices may not be suitable for these High dynamic range images. The tone mapping is the process to show the good quality image in the normal LDR display devices. This paper presents a review of the tone mapping algorithms. It provides the methodology on Tone Mapped Image Quality Index (TMIQI) and the Blind Quality Assessment of Tone-Mapped Images (BTMQI). The region is basically expanded and compressed to visualize properly. Thereby the region-enhanced pseudo-exposures are fused into an HDR image. The image quality of BTMQI is comparatively higher than the TMIQI method. The low dynamic range images are suitable to both the conventional and advance display devices.

References


Index Terms

Computer Science

Image Processing

Keywords

High dynamic range imaging, structural preservation, tone mapping, perceptual image processing, structural similarity