Abstract

This paper presents an analysis of the CIELAB color feature based tone mapping technique. After analysis of these techniques, we had concluded that saliency-based tone mapping algorithm is not computationally efficient as good as the proposed methodology. The different Salience-based Tone mapping method for High dynamic range images the halo artifacts significantly reduced. The visual quality of tone-mapped image, especially attention-salient regions, is improved by the saliency-aware weighting. Experimental results show that the saliency-aware technique and the proposed method produce good results on a variety of high dynamic range images. The visual quality of the proposed method is same as of saliency based tone mapping but it is more computational efficient.

References


Index Terms

Computer Science  Algorithms
Keywords

Edge-aware weighting, high dynamic range (HDR), local filtering, saliency-aware weighting, tone mapping.