Abstract

Color transfer is an emerging framework for dealing with ubiquitous color manipulation in media such as documents and images. Despite the notable progress made in the field, there remains a need for designers that can represent the same information in personalization and corresponding to media context. This work presents adaptive color transfer method using cross-disciplinary interaction of semantic context and bilateral filters. Colors in the method are transferred softly in matching with saliency distributed context. Preliminary results show that the framework is highly keeping consistency and promising. Consequently in this work, a solution of tone mapping by color transfer is introduced. Experimental results are further showed pertaining for automatic handling colors and contrast.

References

- W. Dong, G. Bao, X. Zhang, and J. -C. Paul, ?Fast local color transfer via dominant


- Gabriela Csurka, Sandra Skaff, Luca Marchesotti, Craig Saunders, Learning moods and
emotions from color combinations. ICVGIP 2010: 298-305.


- Yu-Jui Lin, Chih-Tsung Shen, Chun-Cheng Lin, Hsu-Chun Yen, Edge-Preserving Image Decomposition using L1 Fidelity with L0 Gradient, SIGGRAPH Asia 2012 Tech Briefs (SA ’12).

Index Terms

Computer Science Image Processing

Keywords

Context smooth color transfer bilateral filter saliency tone mapping