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**Bibliography**

This presents a style-aware image cloning, a novel image editing approach for artworks, which allows users to seamlessly insert any photorealistic or artificial objects into an artwork to create a new image that shares the same artistic style with the original artwork. To this end, a real-time image transfer algorithm is developed to stylize the cloned object as per distance metric based on the artistic styles and semantic information. Extensive experimental results demonstrate the effectiveness of this method.

In conclusion, the paper has presented a novel interactive rendering framework for cloning photo-realistic or artificial objects into real-world artworks seamlessly. The harmonization between the cloned objects and the artwork is achieved by transferring the style features encoding luminance, texture, direction, local coherence, and semantic information in the artistic images. Our new image cloning approach can facilitate designers to create new artworks by utilizing existing images with a high fidelity. Even amateurs can also enjoy themselves through creating various non-photorealistic images with our method. To reduce the illumination difference between the cloned object and the artwork, our approach adjusts the color of the cloned image by histogram matching. However, such an adjustment cannot simulate the light interactions between the cloned object and the artwork. Thus, the lights in the artwork cannot illuminate the cloned object. Although we have simulated shadow casting by projecting the contours of cloned objects through some user interactions, a better solution which can realistically insert cloned objects into existing artworks accounting for their lighting interactions should be developed.

**References:**

* Z. Farbman, G. Hoffer, Y. Lipman, D. Cohen-Or, and D. Lischinski, “Coordinates for instant image

cloning,” ACM Trans. Graph., vol. 28, no. 3, pp. 67:1–67:9, 2009.

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"This is entirely my own work, except as disclosed in the documentation. I gave help to the following persons:  
None  
Signed Kiran C Shettar"