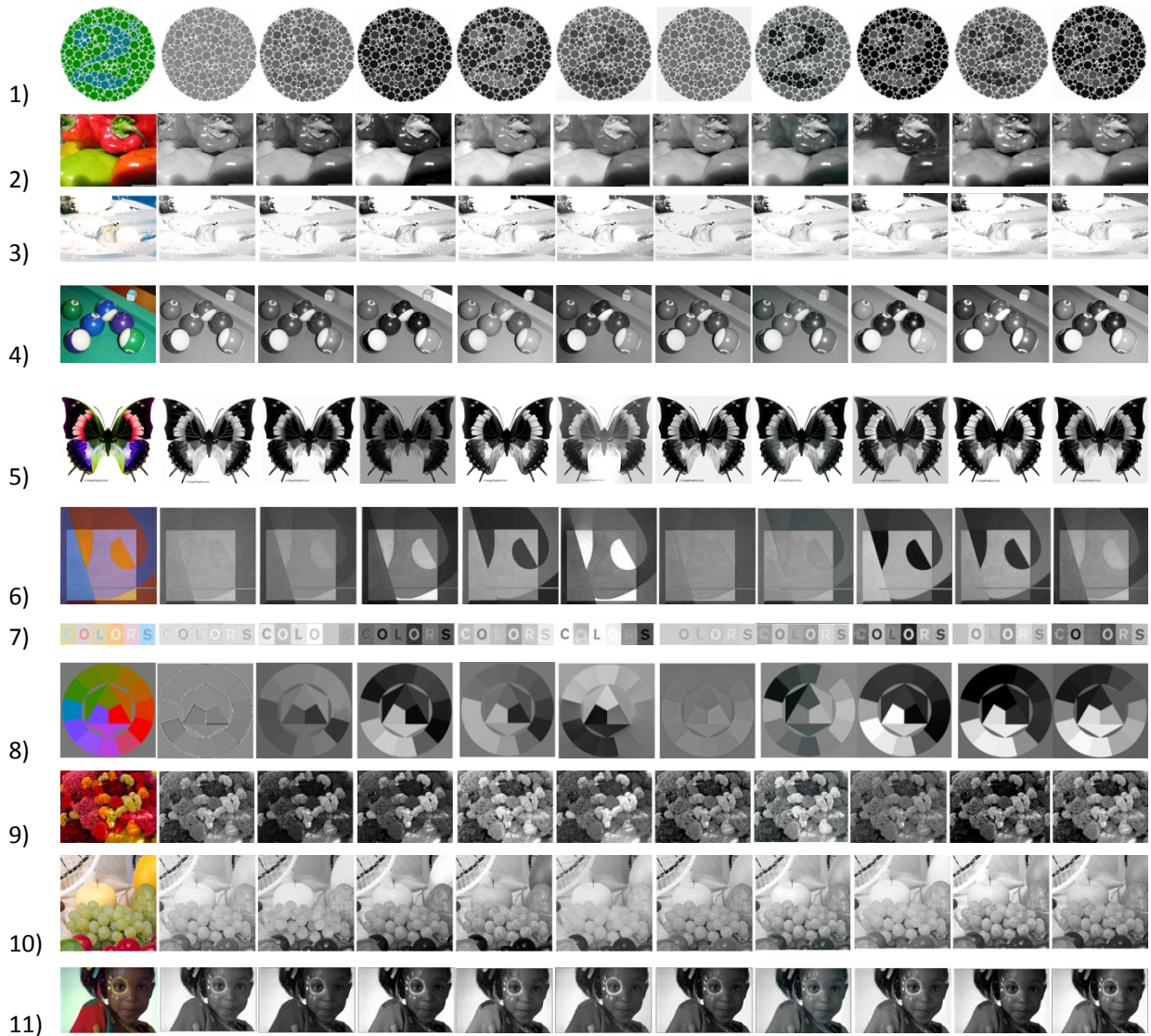


Saliency-Guided Color-to-Gray Conversion using Region-based Optimization

Hao Du, Shengfeng He, Bin Sheng, Lizhuang Ma, and Rynson W.H. Lau

1. We implemented our method and tested it on the images from Cadik's decolorization dataset [3]. From left to right are: original image, Bala et al. [2], Gooch et al. [4], Rasche et al. [8], Grundland et al. [5], Neumann et al. [7], Smith et al. [9], Ancuti et al. [1], Lu et al. [6], Song et al. [10], and our method.



12)



13)



14)



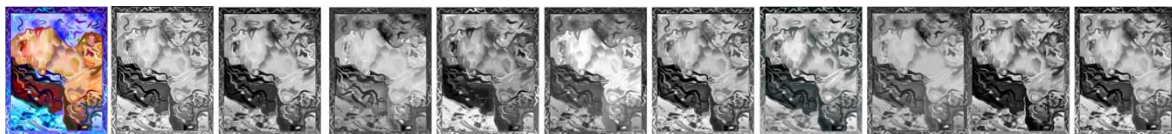
15)



16)



17)



18)



19)



20)



21)



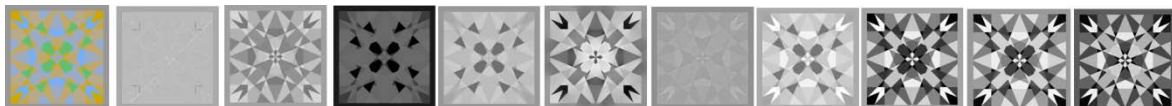
22)



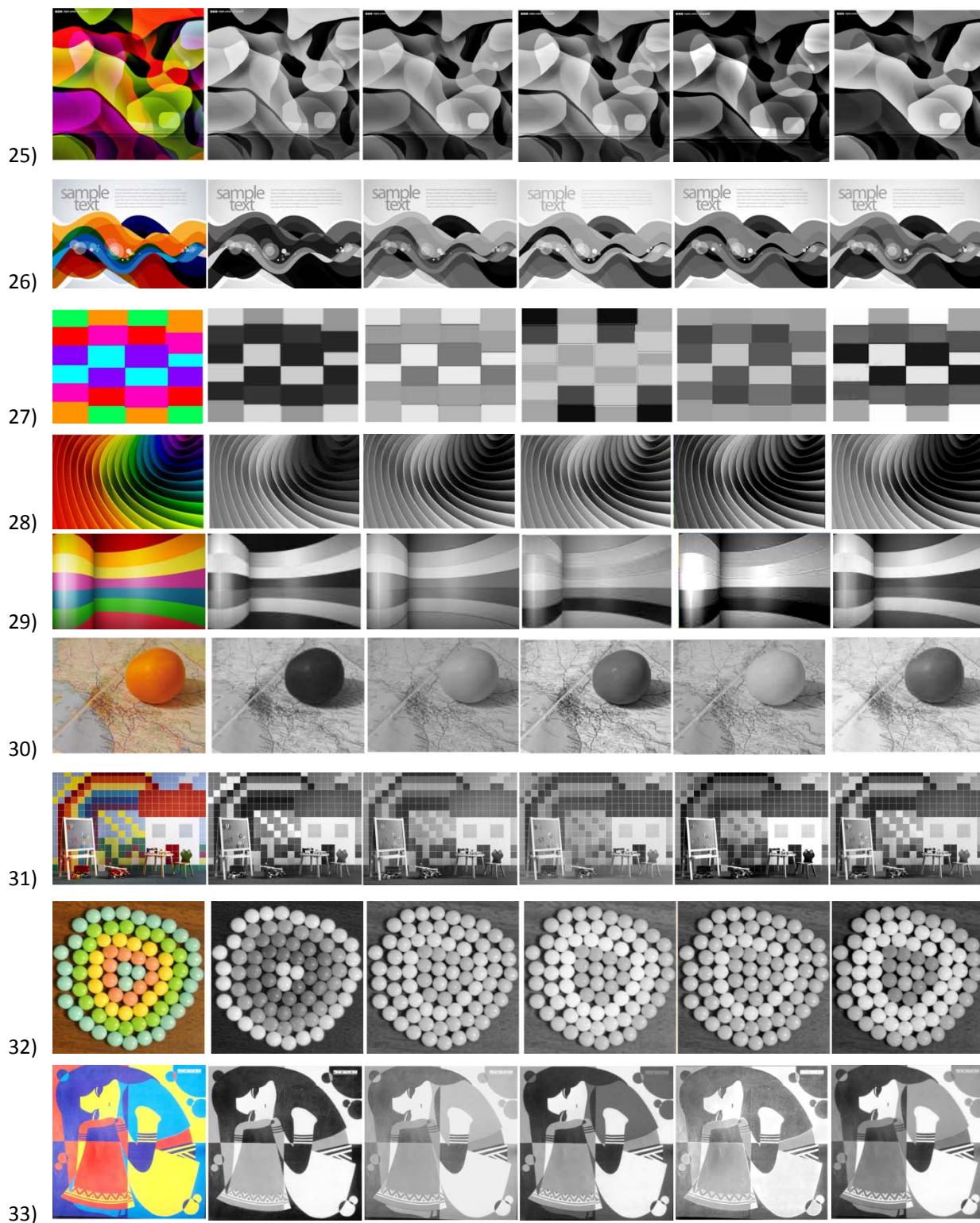
23)



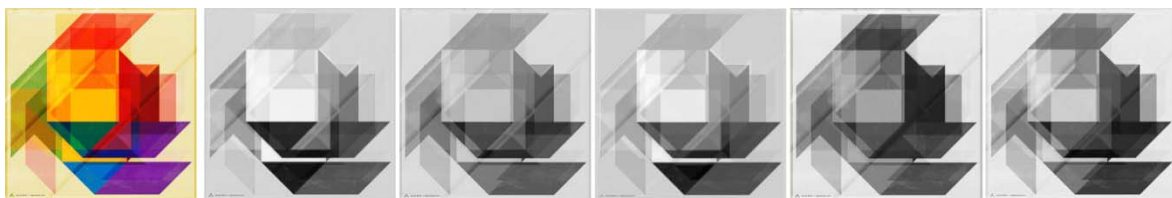
24)



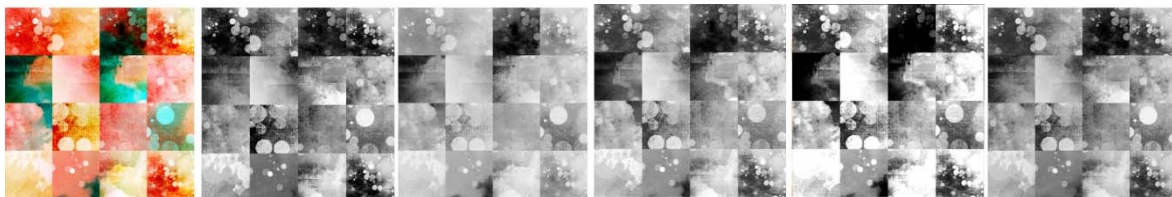
2. We have also tested our method on the images from our new CSDD dataset. From left to right: original image, Grundland et al. [5], Smith et al. [9], Lu et al. [6], Song et al. [10], and our method.



34)



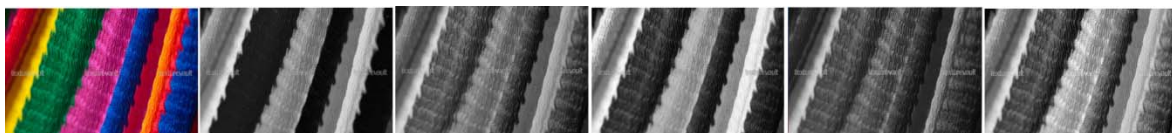
35)



36)



37)



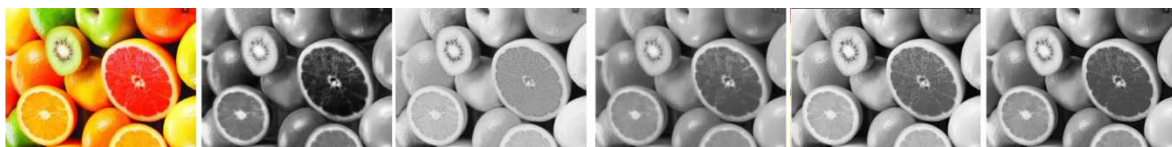
38)



39)

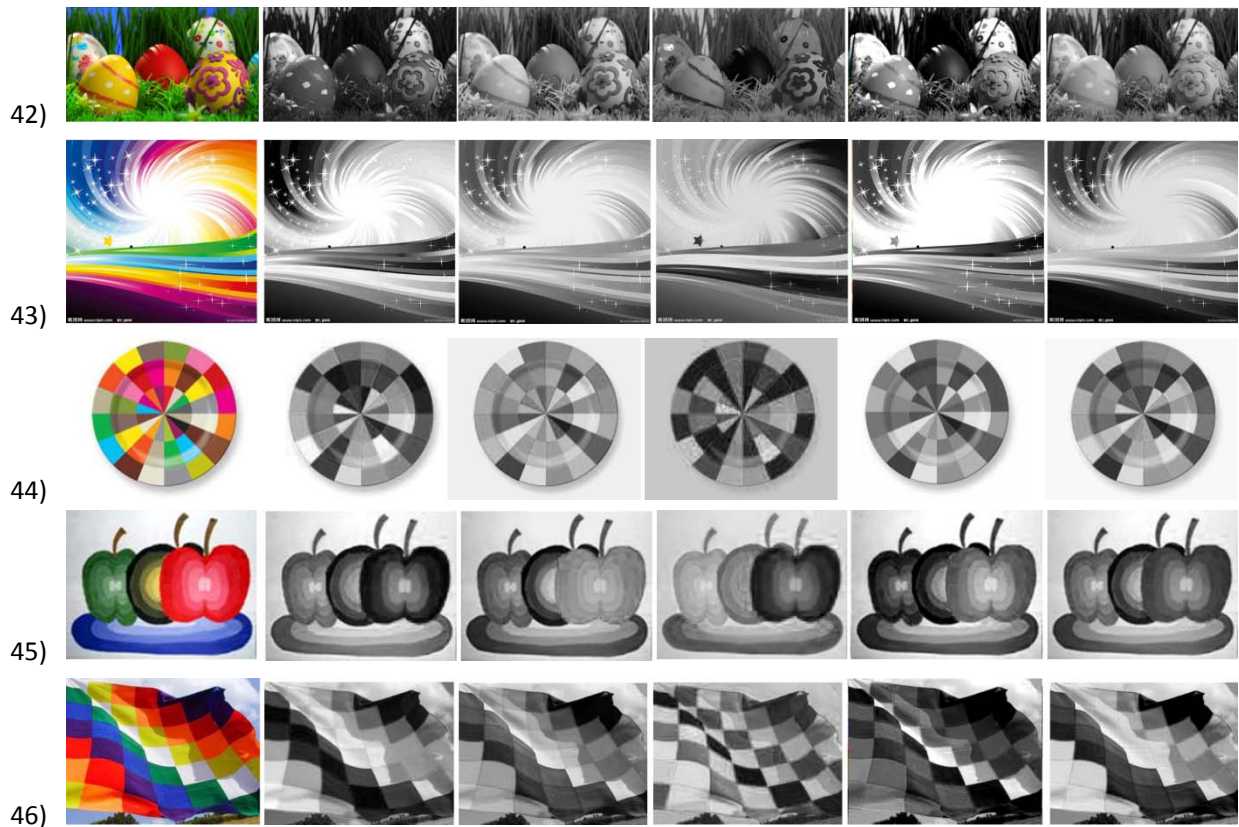


40)



41)





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