Automatic Photo Adjustment Using Deep Learning

Index of supplemental materials

- Foreground pop out local effect
- Local xpro effect
- <u>Watercolor painting effect</u>
- Comparison between results without and with context on foreground pop out effect
- Comparison between results without and with context on local Xpro effect
- Comparison between results without context and with our context on watercolor effect
- A subset of training images for foreground pop out, local Xpro and watercolor effects
- Comparison with [Bychkovsky et al 2011] on MIT-Adobe FiveK group C dataset
- Comparison with [Hwang et al 2012] on "Random 250" test set of MIT-Adobe FiveK Expert C dataset
- Comparison with [Hwang et al 2012] on "High Variance 50" test set of MIT-Adobe FiveK Expert C dataset
- Our results on MIT-Adobe FiveK Expert D dataset
- Our results on MIT-Adobe FiveK Expert E dataset
- Our results on Instagram Early Bird effect
- Our results on Instagram Nashville effect

Foreground pop out local effect





Local xpro effect

Local watercolor painting effect

Comparison between results without and with our context on foreground pop out effect

Note: local areas with prominent differences are highlighted by red boxes

Comparison between results without and with our context on local Xpro effect

Note: local areas with prominent differences are highlighted by red boxes

i. . L____L

Comparison between results without and with our context on watercolor effect

Note: local areas with prominent differences are highlighted by red boxes

A subset of training images for foreground pop out, local Xpro and watercolor effects



Comparison with [Bychkovsky et al 2011] on MIT-Adobe FiveK group C dataset













Comparison with [Hwang et al 2012] on "Random 250" test set of MIT-Adobe FiveK Expert C dataset













Comparison with [Hwang et al 2012] on "High variance 50" test set of MIT-Adobe FiveK Expert C dataset







Our results on MIT-Adobe FiveK Expert D dataset













Our results on MIT-Adobe FiveK Expert E dataset















Our results on Instagram Early Bird effect









Our results on Instagram Nashville effect








