

W1.1 2004 - 021

Color Rendition Teleconference, October 20, 2004

Present: Susan, Dmitri, Ann, Helen, Karin

- 1) The discussion focused on the paper for IQSP conference (San Jose, January 2005). The paper has been reviewed by a Technical Editor at Eastman Kodak. All comments received had been incorporated into the paper prior to review (and the meeting) with the exception of the concern regarding the limited information on the pedigree or background of the color fidelity scaling experiment image set. This information was provided by Ann and summarized in a subsequent email as follows:

The [Color Rendition sRGB] images were transformed from their original color spaces using their source profile, and the sRGB destination profile in Photoshop 6.0. Color settings were Black point compensation, dither, and Relative Colorimetric ON, using the ACE CMM.

This information has been incorporated into the paper. The final paper will be posted on the INCITS W1.1 website.

- 2) Results of the color fidelity scaling experiment were also discussed. Susan showed a plot, included below, of the C^* versus L^* information for all of the patches from the experiment that correlated well with observer ratings. This graph shows that all of the higher chroma patches, $C^* > 30$, and most of the $C^* > 20$ patches; had red, orange, or yellowish hues. This plot was intended to complement the a^*/b^* plot shared at the previous meeting.
- 3) The next steps for the color fidelity experiment will be discussed at the next meeting.

- ACTIONS:
 - Consider the next steps for the Color Fidelity work – what metrics to use
 - Efforts to correlate observer data to patch data to continue by looking at patches making up a “tone scale”, where possible
 - Susan to look at the normalized data
 - Consider other image possibilities
- Next Meetings
 - November TBD
 - December 8
 - January 12, 2005

