

W1.1 2005 - 012

Color Rendition Teleconference, March 23, 2005

Present: Susan, Dmitri, Bill, Ann, Eric

Agenda:

- 1) The Color Fidelity Experiment - next steps including selecting an image set
- 2) Color Quantization

Discussion:

1) The teleconference began with a discussion of the image set for the Color Fidelity experiment. One possible source for images is the CIELAB SCID images. Susan found out from David McDowell that this standard (ISO 12640-3) is expected to be released around the end of the year. Low resolution versions of the ISO 12640-3 images were distributed. Susan will find out about the possibility of obtaining high resolution images for development. For another source, Eric suggested asking RIT about image possibilities. Ann reported that she had talked to them regarding images for another purpose. She believes that this may be a possibility and will speak with them about it. Another source that we discussed was having each of the Colour Rendition member companies donate an image. Bill asked what the aim image size would be. It was noted that the CIELAB SCID images are on the order of 2K x 2.5K pixels. As we consider donated images it is important to remember that model releases are essential for images containing people. It was also noted that the CIELAB SCID images lack outdoor scenes and are limited in skin tones. Ann stated that the "Three on Porch" is a good image for darker skin tones. The implications for the use of this image in a final image suite need to be understood.

Following the discussion on the image set, we talked briefly about what manipulations should be made to each of the scenes. Hue shift, tone scale, and saturation were suggested as possibilities for manipulation. Detail is needed. All members of the group are to think about this and share proposals by email. All should use Photoshop 7.0 terminology in their proposals.

The final Color Fidelity discussion topic regarded what device should be used to print the ruler prints and test images. It was restated that it would be useful to use the Kodak equipment and procedures that were used to print the rulers for ISO 20462.

2) Next on the agenda was the Color Quantization measurement effort. Susan distributed the digital file for the serpentine test target. It was decided at the previous meeting that it would be useful to have more contour visibility data. To achieve this, it was then decided to generate more prints using a low-noise printer (on which a larger number of contours will be visible) and Óscar had then volunteered to print the serpentine target. No one has yet received these prints. It was noted that it might be useful to print the target on another low noise printer that shows contours in areas of the target different from where they are apparent on the prints made by Óscar. In the prints made in 2003, the Kodak printer showed contours in the

mid-tones while they were more apparent in the darker tones on the HP printer, so this printer may be a candidate.

Actions:

- Each to consider possible variations to be made to each original image to generate a larger, more controlled set of renditions for the Color Fidelity work
- Susan to find out about the possibility of obtaining high resolution CIELAB SCID images for Color Fidelity development
- Ann to speak with RIT personnel about image possibilities

Next Meetings:

- April 13, 2005
- May 11, 2005