EECS 448 - Lab 03

Do the following:

1. Download the same pictures from previous lab.

2. Use photomatix to make hdr images from the given 4 images.

3. Choose the most realistic picture from the list of images presets (on the right hand side).

4. Save that image.

5. Enhance it further by playing with the various setting sliders, esp. Strength, Saturation, Tone Compression, Lighting Adjustments and Detail Contrast (Some of these settings will not be available for some methods). Save the final image

6. Play with white point, black point, gamma and temperature and save the final image.

7. Use selection mode to select areas you would like to replace with single picture and save the resulting image.

8. Import these images into matlab. Display the red, green, blue, and Luminous histograms of these images.

9. Compute the mean, variance, minimum value, maximum value, and quartiles for all these histograms.

10. Play with the settings to create four images that are not natural. Save the images and upload the images in matlab.

11. Study their histograms and statistics as in parts 7 and 8.

12. Can you come up with some criteria based on histograms and statistics that will distinguish good natural images from surreal ones?

13. Assemble the images, their histograms, your matlab code, and your writeup for 12 in a PDF and email that to me.