What is claimed is : ~~CLAIMS~~

1. A method, comprising:

identifying, in an image, a bright region that is a portion of the image;

classifying the identified bright region into a~~n~~ particular ~~assigned~~ classification of a set of different ~~predetermined~~ classifications having different predefined luminance magnitudes;

determining a luminance magnitude ~~value~~ of the identified bright region;

comparing the ~~determined~~ luminance magnitude of the identified bright region ~~value~~ to a particular predefined luminance magnitude for ~~value corresponding to~~ the particular ~~assigned~~ classification of the identified bright regions;

adjusting the ~~a~~ luminance magnitude ~~value~~ of the identified bright region to an adjusted luminance magnitude ~~value~~ based at least on the ~~said~~ comparing; and

rendering the image with the identified bright region having the adjusted luminance magnitude~~value~~.

2. The method of claim 1, wherein said comparing comprises:

determining that the ~~determined~~ luminance value magnitude of the identified bright region is incorrect based on a difference from the particular predefined luminance magnitude~~value~~; and

wherein said adjusting further comprises:

rendering a visual indicator on the image in a location corresponding to the identified bright region; and

receiving a manually corrected luminance magnitude ~~value~~ for the identified bright region as the adjusted luminance magnitude~~value~~.

3. The method of claim 1, wherein said adjusting comprises:

automatically determining the adjusted luminance magnitude ~~value~~ for the identified bright region.

4. The method of claim 1, wherein said adjusting comprises:

setting the ~~adjusting a~~ luminance magnitude ~~value~~ of the identified bright region to another ~~adjusted~~ luminance magnitude ~~value~~ of ~~that is a same luminance value for~~ a second bright region in the image having the particular ~~assigned~~ classification.

5. The method of claim 1, wherein said rendering comprises:

applying a linear scale to the adjusted luminance magnitude ~~value~~ to account for a visual effect in the displayed image to generate a scaled and adjusted luminance magnitude~~value~~; and

rendering the ~~displayed~~ image with the identified bright region having the scaled and adjusted luminance magnitude~~value~~.

6. The method of claim 1, wherein said identifying comprises:

providing the ~~displayed~~ image to a machine learning model to identify a location

and a size of the bright region, the machine learning model trained to identify bright regions.

7. The method of claim 6, where said classifying comprises:

classifying the identified bright region by the machine learning model.

8. The method of claim 1, further comprising:

logging information of the identified bright region for which the ~~an~~ adjusted luminance magnitude ~~value~~ is determined.

9. A system, comprising:

one or more processor circuits; and

one or more memory devices connected to the one or more processor circuits, the one or more memory devices storing computer program logic for execution by the one or more processor circuits, the computer program logic comprising:

an image classifier configured to:

identify ~~in a displayed image~~ a bright region that is a portion of an ~~the displayed~~ image, and

classify the identified bright region into a~~n~~ particular ~~assigned~~ classification of a set of different ~~predetermined~~ classifications having different predefined luminance magnitudes;

a luminance analyzer configured to determine a luminance magnitude ~~value~~ of the identified bright region, and perform ~~determine~~ a comparison between the ~~determined~~ luminance magnitude ~~value~~ of the identified bright region and a particular predefined luminance magnitude ~~value corresponding to~~ for the particular ~~assigned~~ classification of the identified bright region; and

~~an image Tenderer configured to render the image with the identified bright region having the adjusted luminance value; and~~

a luminance adjuster configured to adjust the ~~a~~ luminance magnitude ~~value~~ of the identified bright region to an adjusted luminance magnitude ~~value~~ based on said comparison~~, the image Tenderer further configured to render the displayed image with the identified bright region having the adjusted luminance value~~.

10. The system of claim 9, wherein the particular predefined luminance magnitude reflects a peak average luminance magnitude of different colors in the identified bright region. ~~determining a comparison comprises:~~

~~determining the determined luminance value is incorrect based on a difference from the predefined luminance value; and~~

~~wherein the luminance adjuster is configured to adjust a luminance value of the identified bright region by receiving a manually corrected luminance value for the identified bright region as the adjusted luminance value.~~

11. The system of claim 9, wherein the luminance adjuster is configured to

automatically determine the adjusted luminance magnitude ~~value~~ for the identified bright region.

12. The system of claim 9, wherein the particular predefined luminance magnitude reflects a peak luminance magnitude of a single color in the identified bright region.

13. The system of claim 9, wherein the computer program logic further comprises an image renderer configured to render the image with the identified bright region having the adjusted luminance magnitude.

14. The system of claim 9, wherein the image classifier is configured to provide the image to a machine learning model to identify a location and a size of the bright region, the machine learning model trained to identify bright regions.

15. The system of claim 14, wherein the machine learning model identifies the particular classification of the identified bright region.

~~12. The system of claim 9, wherein said identifying comprises:~~

~~providing the displayed image to a machine learning model to identify a location and a size of the bright region, the machine learning model trained to identify bright regions.~~

~~13. The system of claim 12, where said classifying comprises:~~

~~classifying the identified bright region by the machine learning model.~~

16.~~14.~~ The system of claim 9, wherein the computer program logic further comprises~~ing~~:

a logger configured to log information of the identified bright region and information of at least one other bright region in the image for which another adjusted luminance magnitude ~~value~~ is determined.

17. A computer program product comprising a hardware computer-readable memory device having computer program logic recorded thereon that, when executed by at least one processor of a computing device, causes the at least one processor to perform operations, the operations comprising :

identifying, in an image, a bright region that is a portion of the image;

classifying the identified bright region into a particular classification of a set of different classifications having different predefined luminance magnitudes;

determining a luminance magnitude of the identified bright region;

comparing the luminance magnitude of the identified bright region to a particular predefined luminance magnitude for the particular classification of the identified bright region; and

adjusting the luminance magnitude of the identified bright region to an adjusted luminance magnitude based on said comparing.

18. The computer program product of claim 17, wherein said comparing comprises :

determining that the luminance magnitude of the identified bright region is incorrect based on a difference from the particular predefined luminance magnitude; and

wherein said adjusting further comprises :

rendering a visual indicator on the image in a location corresponding to the identified bright region; and

receiving a manually corrected luminance magnitude for the identified bright region as the adjusted luminance magnitude.

19. The compuer program product of claim 17, wherein said adjusting comprises :

automatically determining the adjusted luminance magnitude for the identified bright region.

20. The computer program product of claim 17, wherein said adjusting comprises :

adjusting the luminance magnitude of the identified bright region based on a corresponding luminance value for a second bright region in the image that also has the particular classification.

~~15. A computer-readable memory device having computer program logic recorded thereon, comprising:~~

~~computer program logic for enabling a processor to perform any of the steps of claims 1-8.~~