

Fixing Fringing and Chromatic Aberrations

Photoshop:

Method #1 Painting Away fringe

- 1) Open your file and duplicate the base layer so you will not damage the original.
- 2) Select the "Healing Brush" from the tool bar (not the spot healing brush).
- 3) Establish some basic settings for the brush as recommended below:
 - a. Size (approximatel 2-3 times the width of the frings you will work on).
 - b. Spacing: Approx 30-40 pixels (est).
 - c. Hardness: 10-25 (est).
 - d. Mode: Darken **(THIS IS THE KEY – DON'T FORGET TO SET THIS).**
- 4) Make sure the copy layer is selected and commence your edits on it.
- 5) Placing the cursor near, but not touching the fringe, sample the area. Once You have sampled with your brush you can commence painting out the fringe, Being careful and, intermittently sampling along the way as you paint.
- 6) Once complete with the painting, double check your work and "merge visible layers" to finish the job.

Method #2 Expansion/contraction to eliminate fringe

- 1) Follow step #1 above.
- 2) Select the "Quick Select" tool and select the entire area you wish to cover.
- 3) Select invert from the menu (you should now have all of the area you wish to fix selected).
- 4) Select the enter key and you will actually place the selection on a new layer above the layer you were working with.
- 5) Highlight the new layer, select edit/transform/scale from the tools palette.
- 6) Using the scale at the top of the screen, on the "W" (width) increase from 100% by 1-3 or 5 pixels (be conservative).
- 7) Using the same scale area and on the "H" (height)increase the same exact amount as in step 6.
- 8) Click on the check mark to accept the scale changes.
- 9) Insure the two copy layers are both selected and select "merge visible" from the layers menu.

Chromatic Aberration repair

- 1) If possible, make a selection of the area(s) you wish to correct for chromatic aberrations.
- 2) Go to the the Filter menu and select "Lens Correction" from the options.
- 3) On the Lens Correction screen, select "Custom"

- 4) Using the available sliders, you will now begin adjusting them to correct the color fringing and/or color bleed with those sliders. If these sliders do not do the trick, you may have to use the levels adjustment to help minimize the aberrations.

Lightroom:

Lightroom has sliders in the develop module to assist with corrections for the aberrations. As with Photoshop, if those sliders do not finish the job, you will have to also employ sliders from other areas within the develop module. The chromatic aberration correction sliders are located in the "Lens Correction" section under the "Color" tab.

Other sliders that can help are located in "noise reduction" and "tone curve" sections of the develop module.