

Assignment 07
Assigned: Monday, Feb 29, 2016 (Happy Leap Day)
Due: before lab Monday, March 14, 2016

This lab is a kind of Spring Break freebie. Your assignment is simply to install an image editing program – something akin to a free, cross-platform Adobe Photoshop, and manipulate an image in a manner that will be used in the next big lab trying to detect differences in the perception of images of “good” and “bad” classes of people.

1) 100 pts.

Install the GNU Image Manipulation Program (GIMP) for your computer from:

<https://www.gimp.org/>

Use the program to edit the provided image to produce a standardized image form of the type to be used in the next exercises. On the left is the provided image, on the right the desired final image:



The goal is to isolate the face clearly including the chin and ears (leave some space) in as small a circular region as possible, clear the area outside of the circle, and reduce the image to its minimum extent around the circle, and scale it to a standard size of 768x768.

Basic operations: install GIMP, open the image (allowing conversion as needed), select circular (a type of oval) region of appropriate size and location, reduce the image to include only the circular area, clear the area outside of the circle, transform the image to grayscale, scale the image to 768x768, save the image as a .png format file.

2) ½P

This is a simple assignment, so you may use the extra time to redo any one earlier lab to improve your grade. Turning in an improved lab can increase your points on that lab by ½ of the lost points, P.

3) While the assignment is due after Spring Break, you are encouraged to go ahead and turn it in beforehand so you will not have it hanging over your head during that time, and you hit the ground running, as they say, when you return.