

Digital Image Processing COL 783

Assignment 0: Simultaneous Contrast Experiment

This is a warm up assignment as discussed in the class. You have to create an image with foreground square and background as shown in the [image](#). You are supposed to experiment changing the intensity of the background and observe the change in the contrast. You may also see how the Weber ratio (the ratio of the change in the intensity of the foreground with the respect to the background that makes it distinguishable) with respect to different value of the background intensity. This assignment will help you to get familiar with the environment you would want to use for later assignment, and will help you learn the functions to read and write or display an image.