

EECS332 Digital Image Analysis

MP1 – Mikhail Todes

My coding is done in c++. I compiled it in a bash terminal using g++. The code I used to compile and create the executable was “g++ regions.cpp -o regions.e `pkg-config --cflags --libs opencv`”. I then ran the executable from the terminal using ./regions.e.

The first part of my program initialises a 2D array to store the labels of each region. I then check for white pixels up and left of each white pixel found. The next part of the program deals with the different cases that are found. Finally the algorithm corrects the e_table by updating for values that are potentially right or underneath the current pixel.

The last section of my code creates a colour for each different region label and creates the new coloured image. The executable displays the coloured and original image until the user presses any button. The coloured image is then saved in the same folder that the executable was run from.

