



---

# ECE 6310 INTRO TO COMPUTER VISION

---

## Lab 4 – Region Interaction



MOHAMMAD ANAS IMAM KHAN

C17566828

October 13, 2020

## 1. Pictures showing menu options (colors, dialog box, play/step)

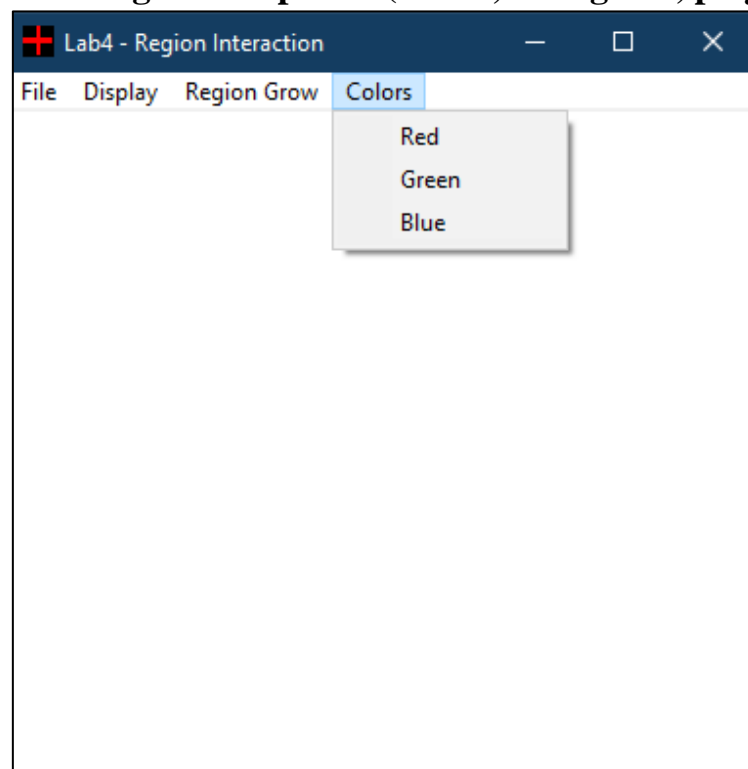


Figure 1 Color Options

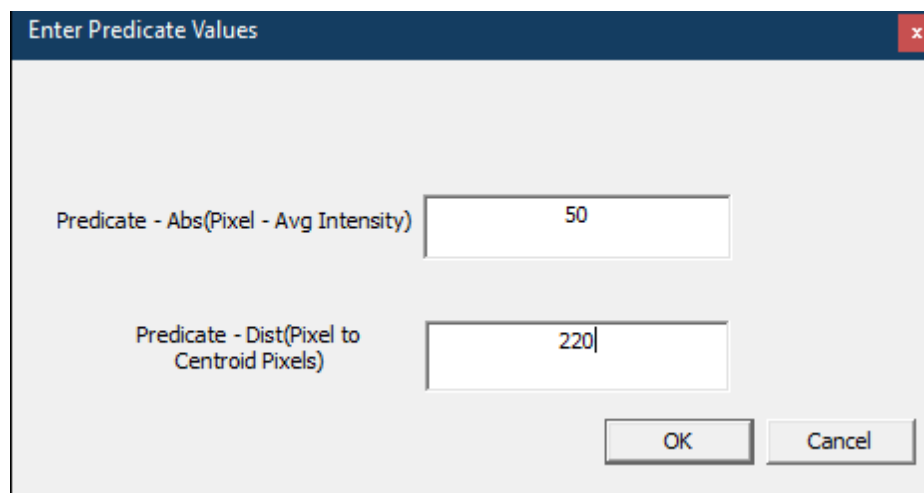


Figure 2 Growth Predicate Dialog Box

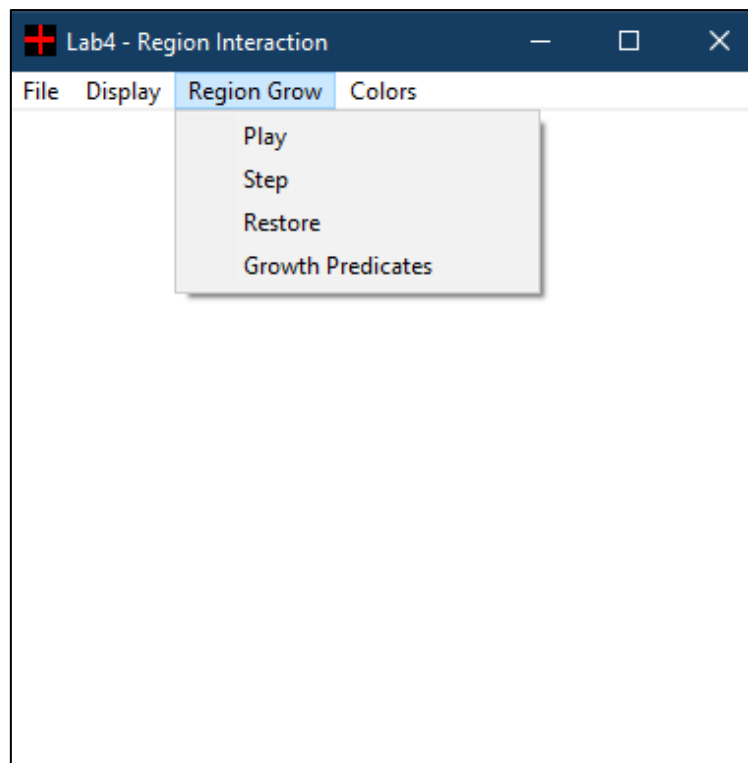


Figure 3 Menu Options

## 2. A Picture Showing an entirely filled region

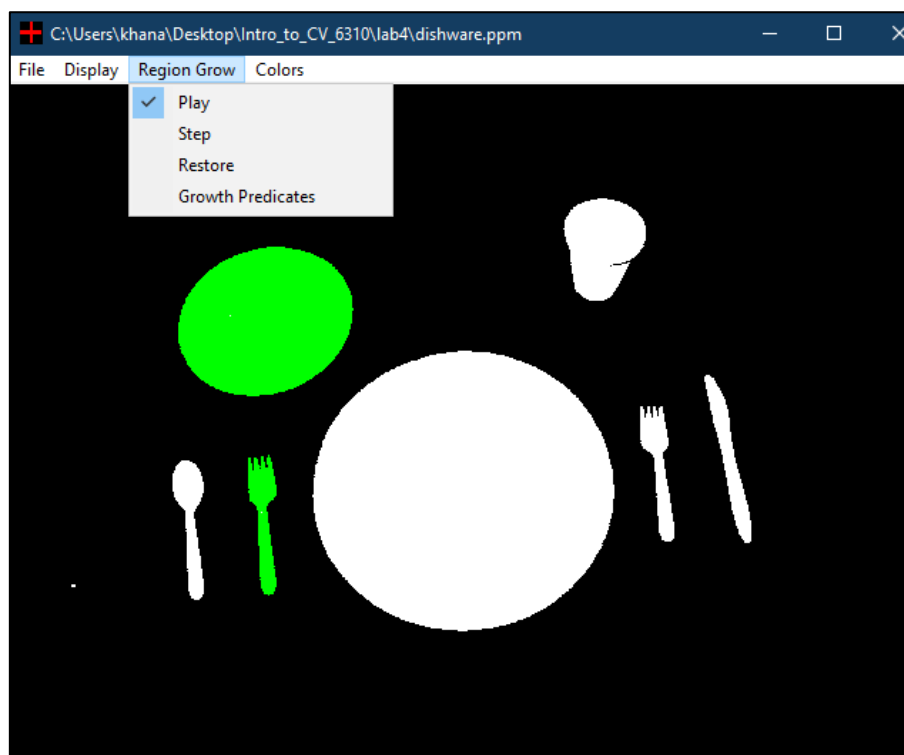


Figure 4 Region Grow With Play

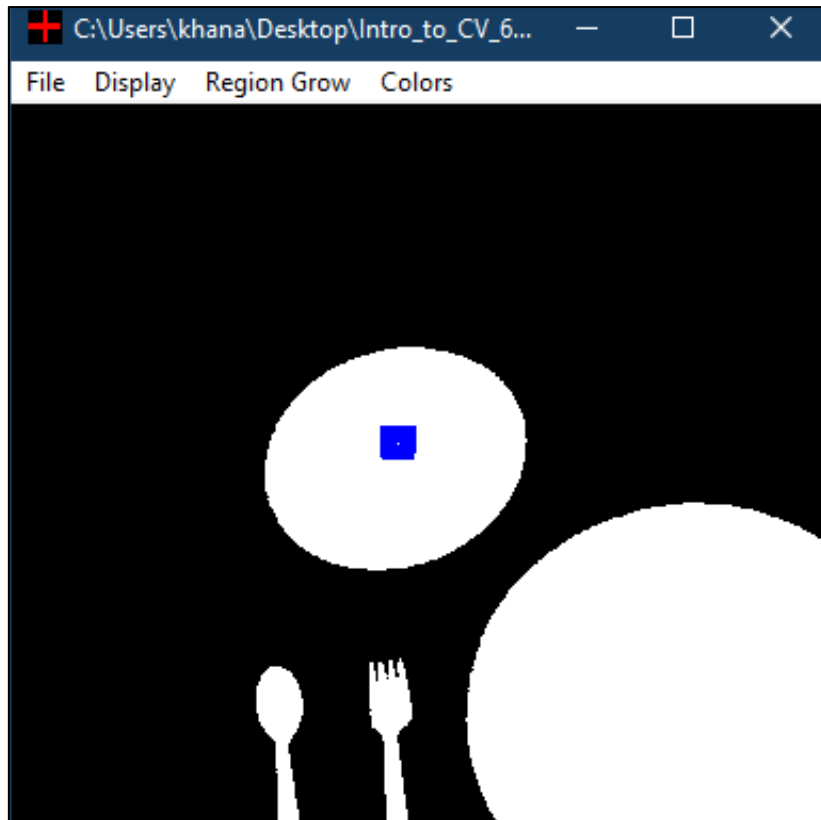


Figure 5 Region Grow with Step

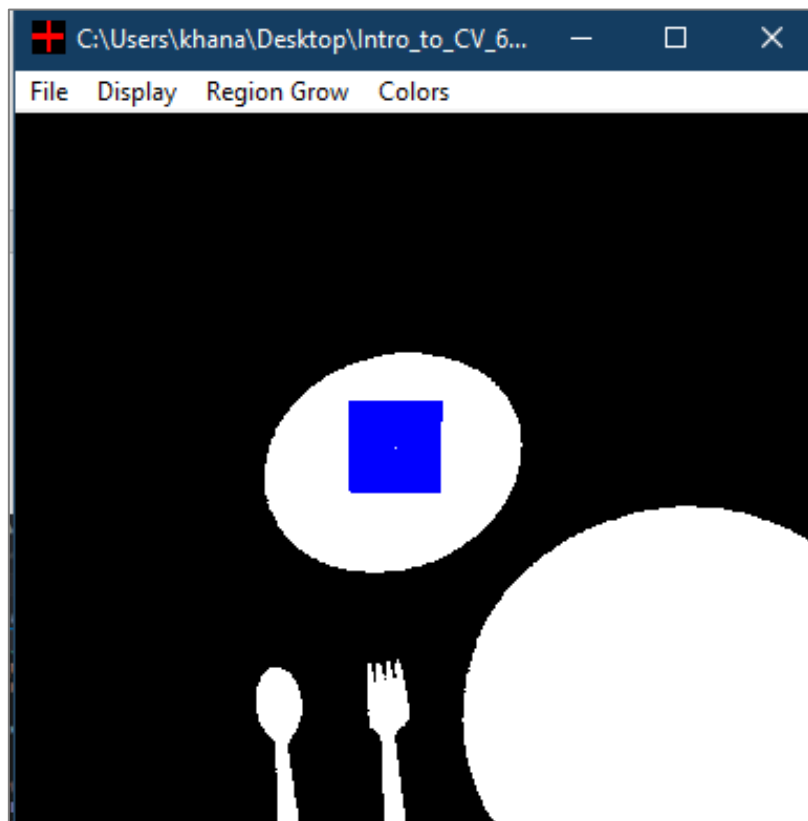
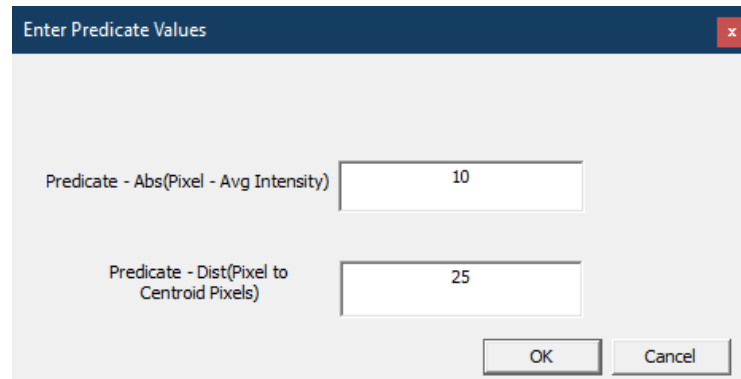


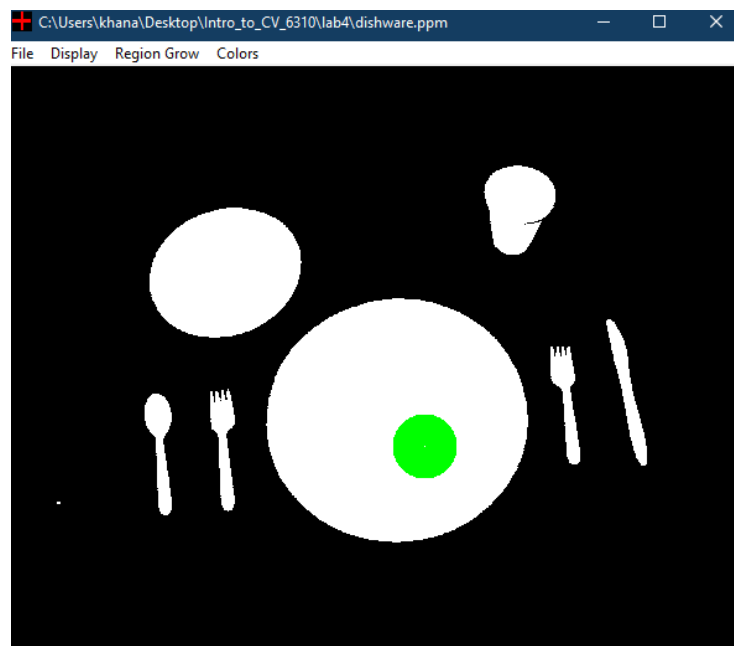
Figure 6 Region Grow with Step (Pressing 'j' key)

### 3. Pictures showing different pairs of predicate values

i. Case 1



A screenshot of a dialog box titled "Enter Predicate Values". It contains two input fields. The first field is labeled "Predicate - Abs(Pixel - Avg Intensity)" and has the value "10" entered. The second field is labeled "Predicate - Dist(Pixel to Centroid Pixels)" and has the value "25" entered. At the bottom right, there are "OK" and "Cancel" buttons.



ii. Case 2

Enter Predicate Values

Predicate - Abs(Pixel - Avg Intensity)

Predicate - Dist(Pixel to Centroid Pixels)

OK Cancel



#### 4. A picture showing multiple regions grows



## 5. A picture showing multiple colors on the region grow

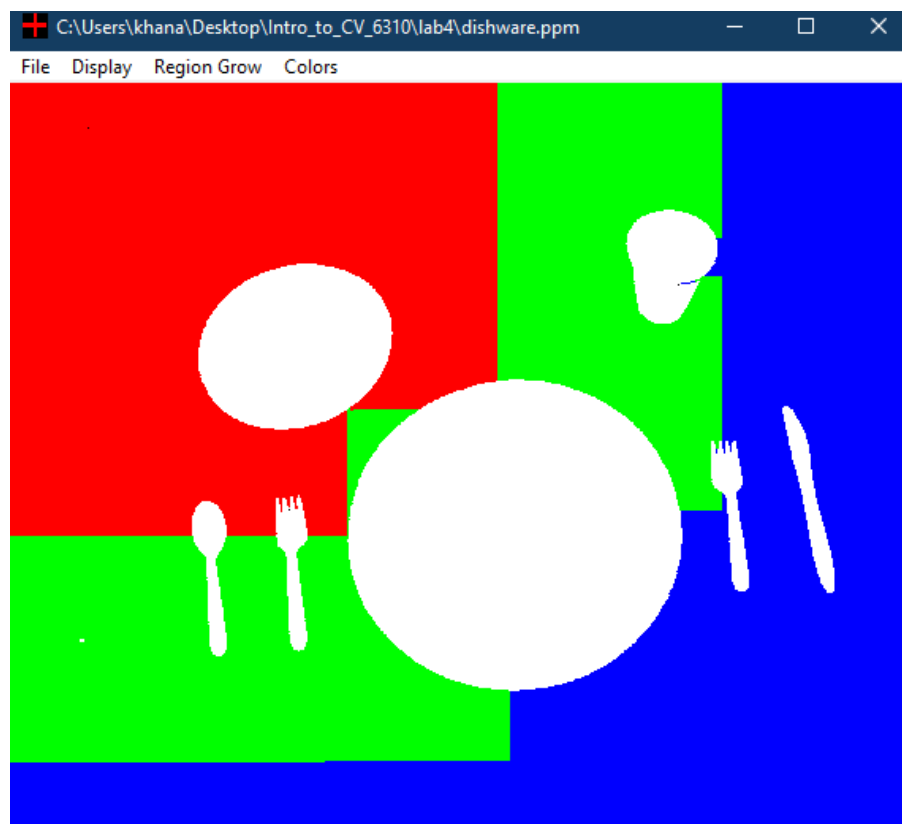
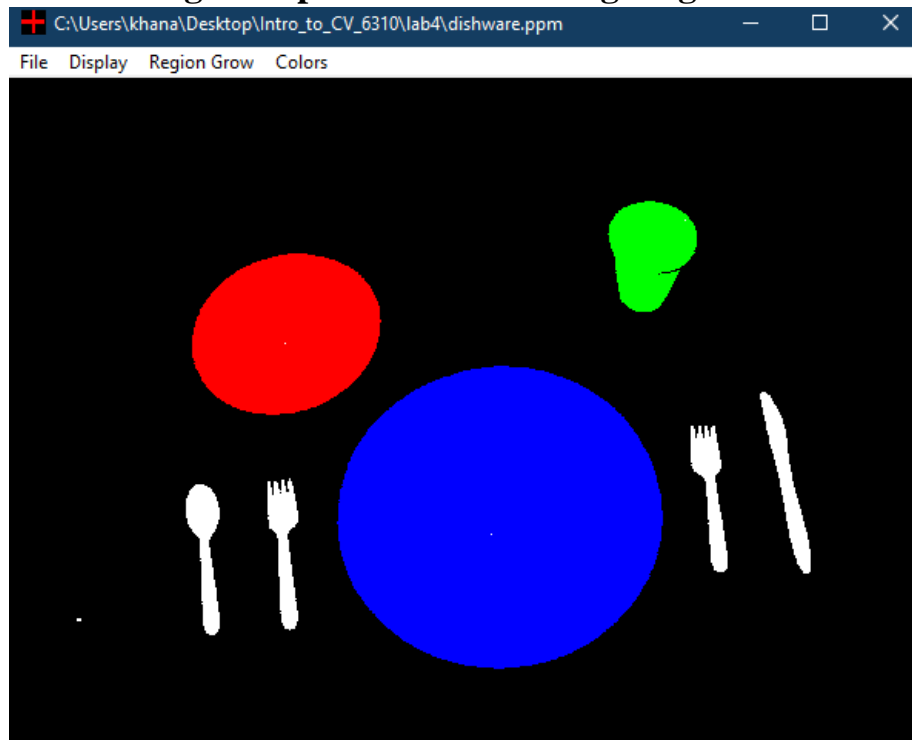


Figure 7 Color Switch During Region Grow in Play Mode