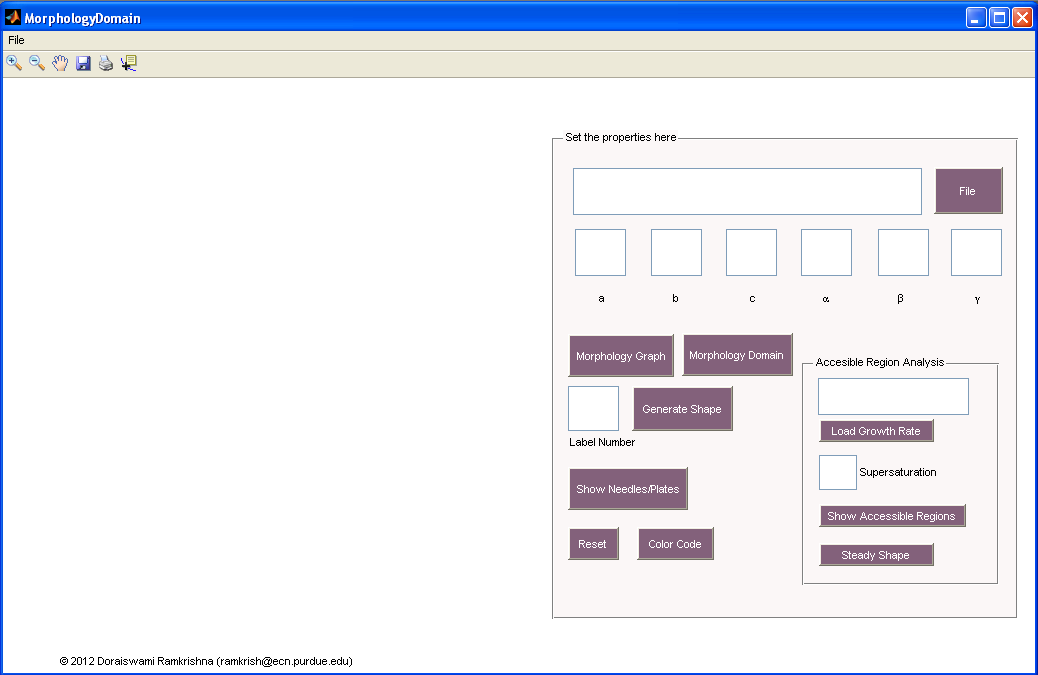
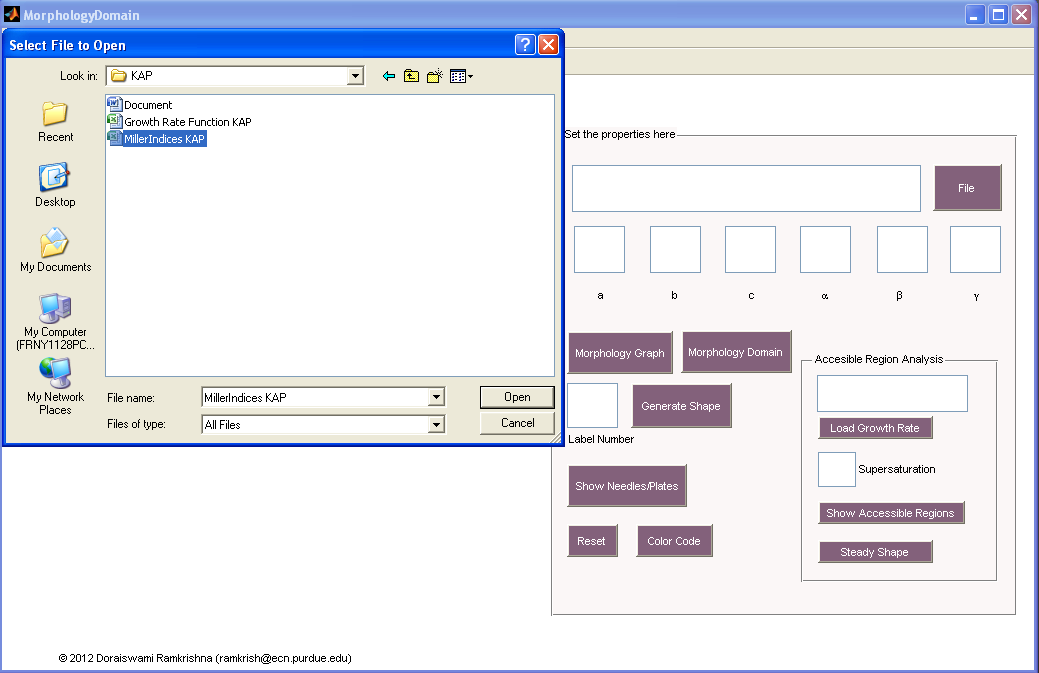
**EXAMPLE 3: KAP**

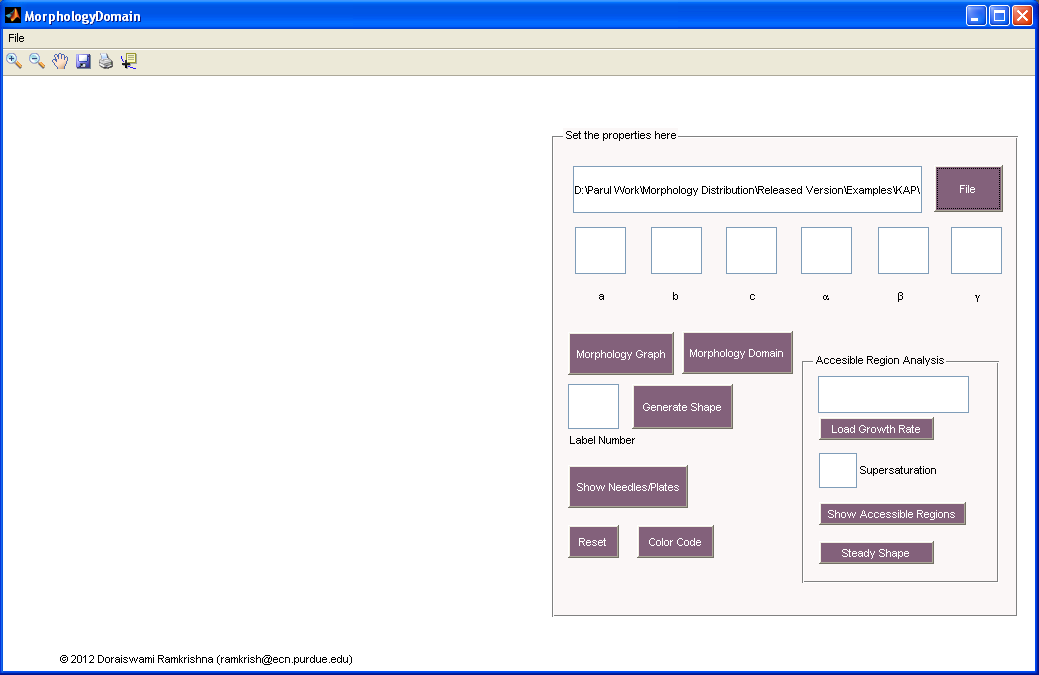
**Step 1:** Choose the KAP Miller Indices excel sheet after clicking on “File” button.



**Figure 1:** MorphologyDomain window opened on running the MorphologyDomain.exe file

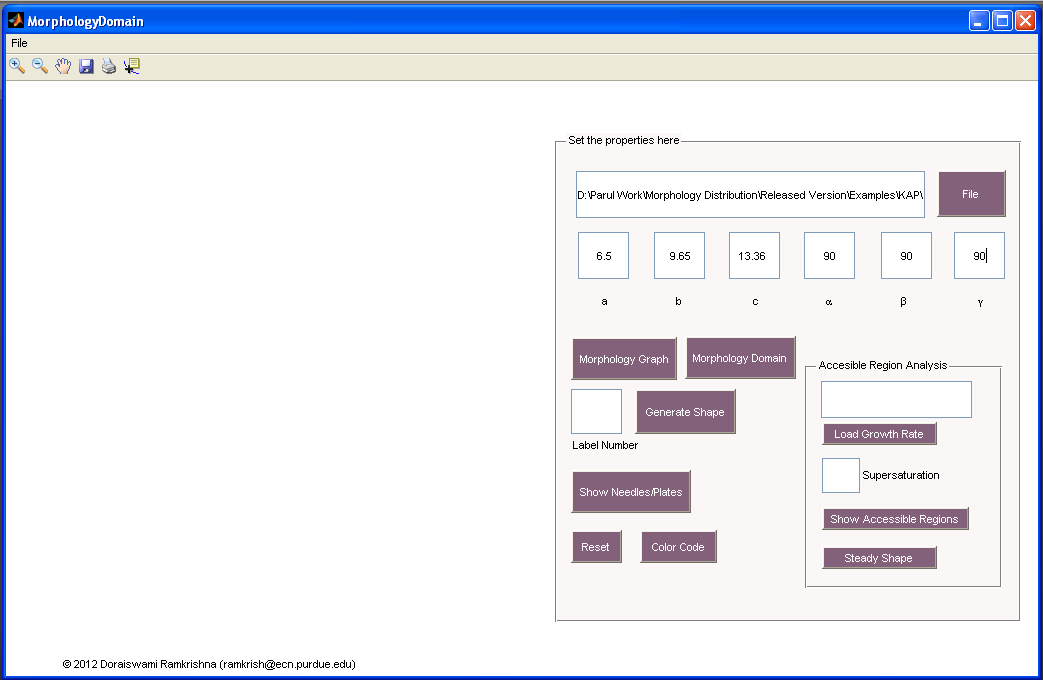


**Figure 2:** Selecting excel file with appropriate Miller indices



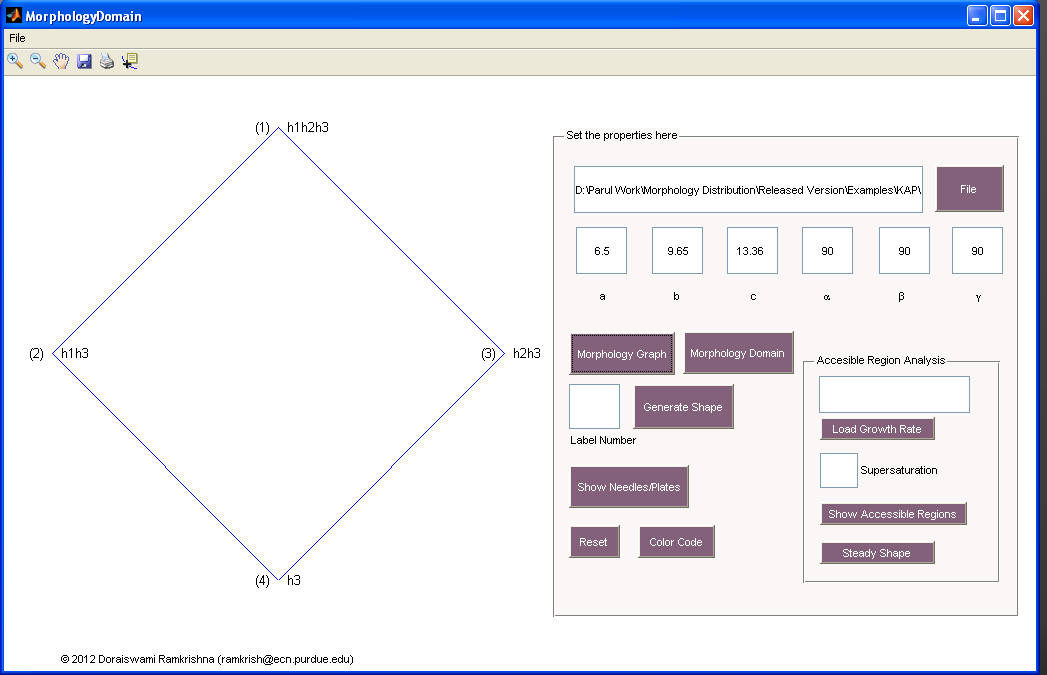
**Figure 3:** After excel file has been read

**Step 2:** Type the Lattice parameters.



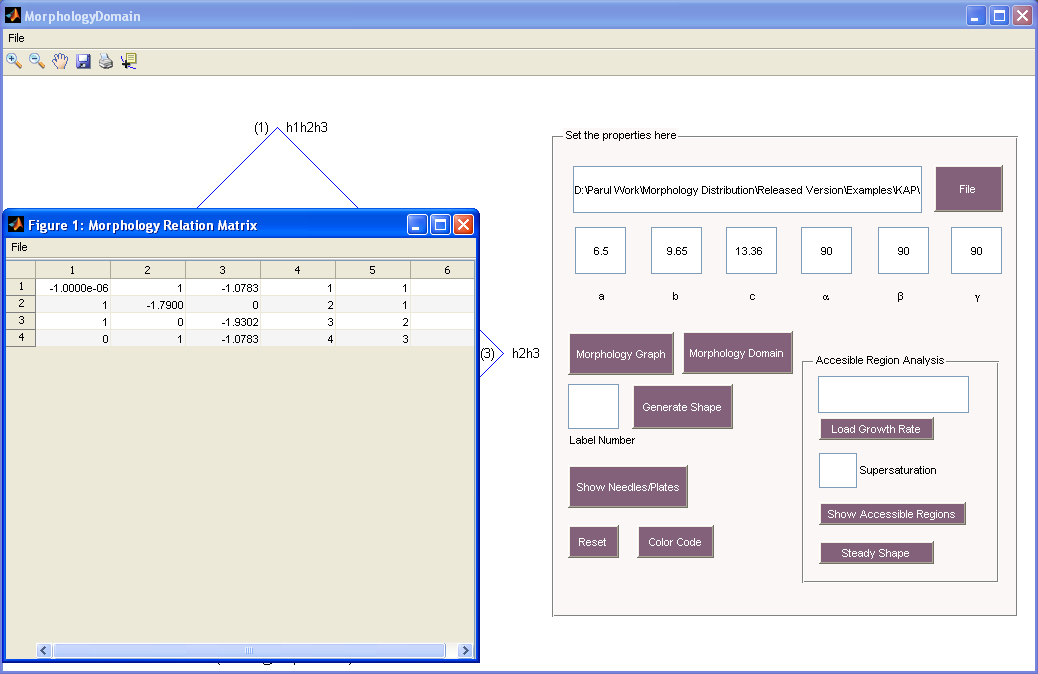
**Figure 4:** Typing Lattice parameters

**Step 3:** Click on “Morphology Graph” button to see the tree plot.



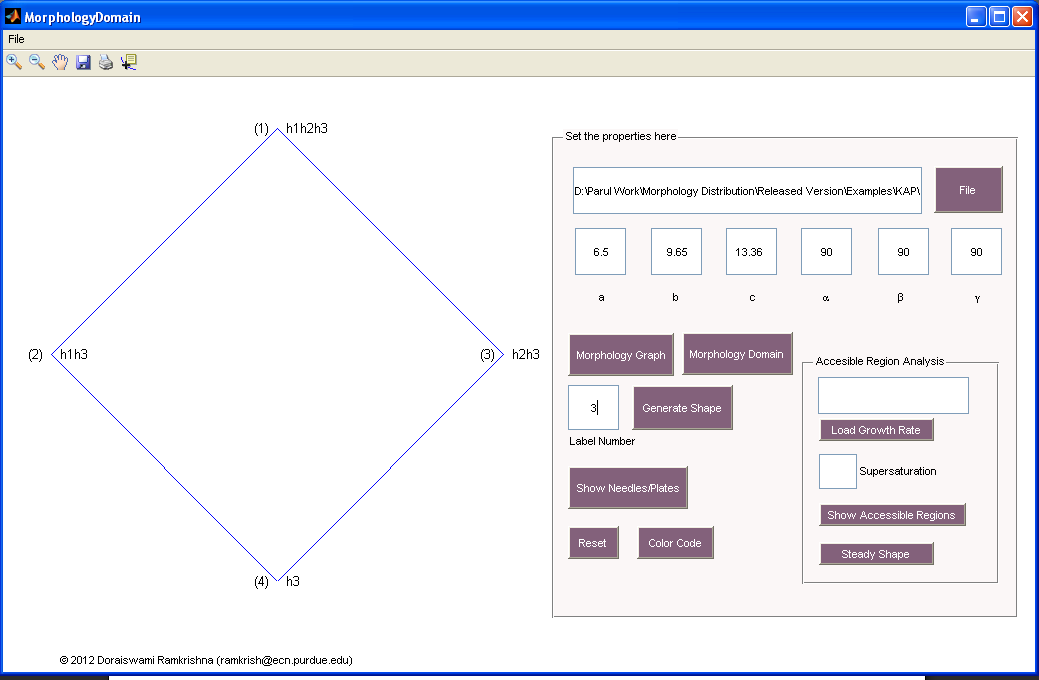
**Figure 5:** Tree plot

**Step 4:** Click on “Morphology Domain” to see the morphology relation matrix.

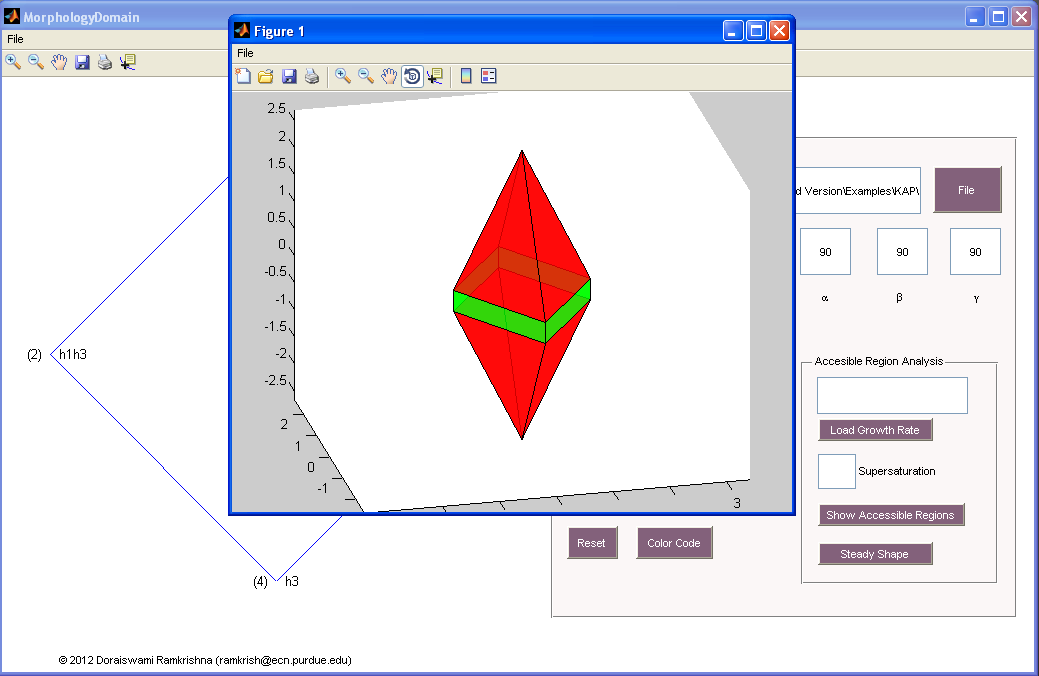


**Figure 6:** Morphology Relation Matrix

**Step 5:** Type the label number of the morphology which you want to see and then click on “Generate Shape” button.

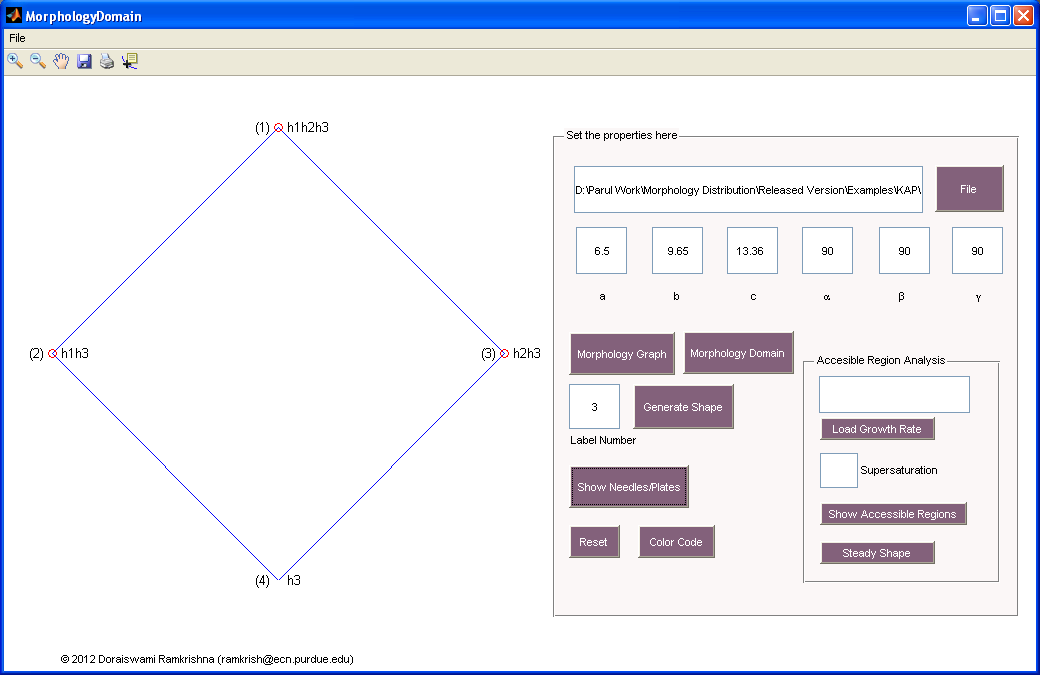


**Figure 7:** Typing the label number



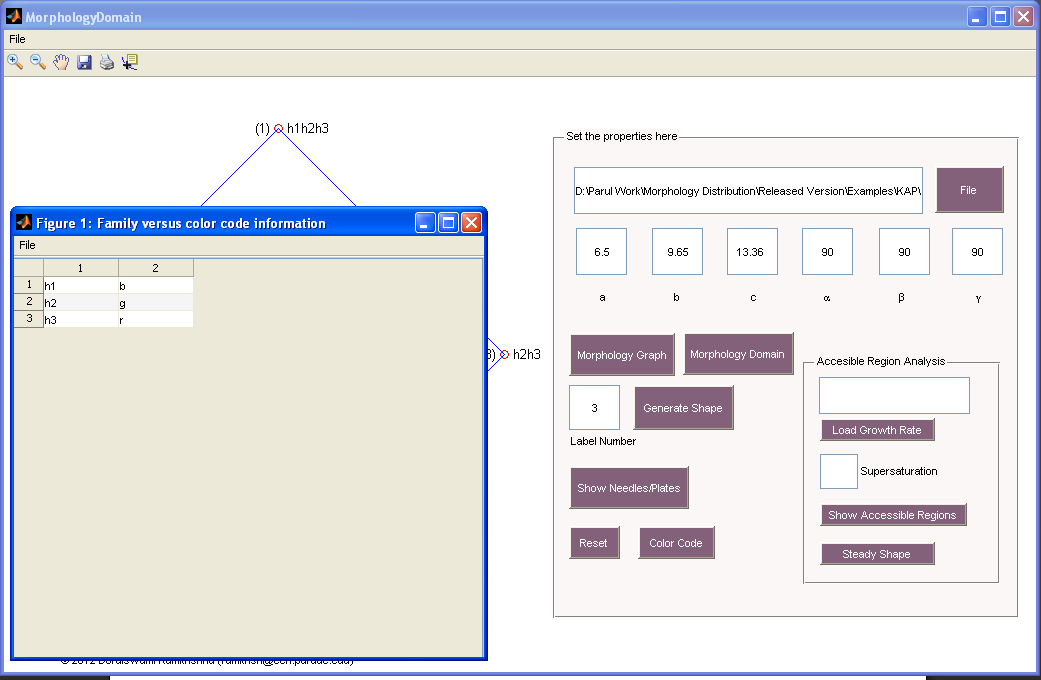
**Figure 8:** Generated shape for the given label number

**Step 6:** Click on “Show Needles/Plates” button to see potential needles/plates.



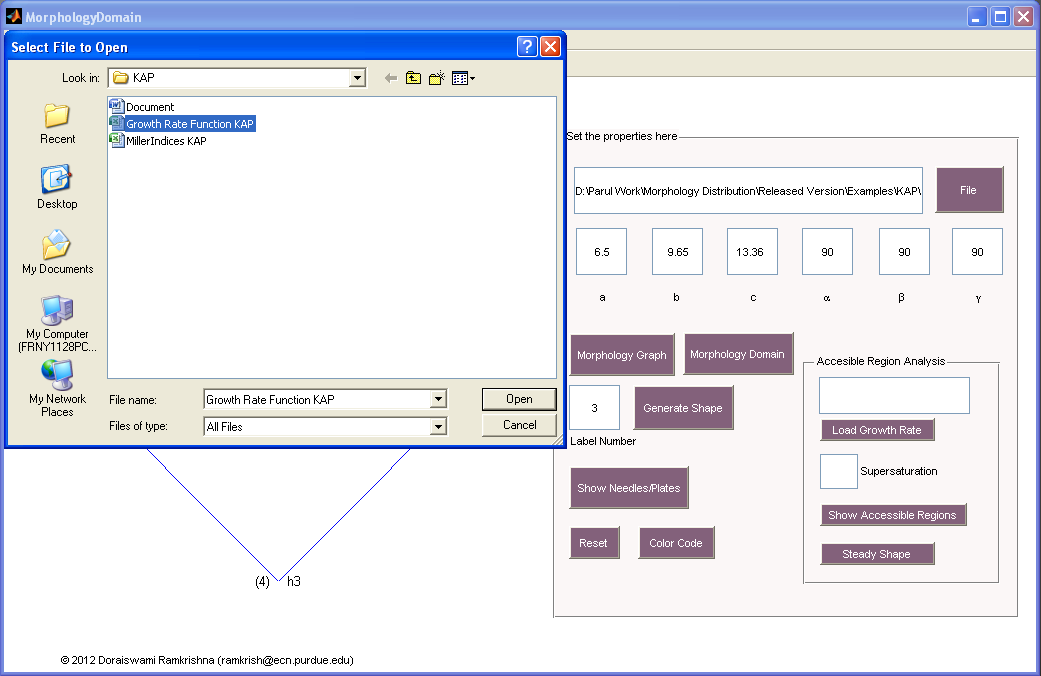
**Figure 9:** On clicking on “Show Needle/Plates”.

You can click on “Color Code” to see the geometric family versus color code information.



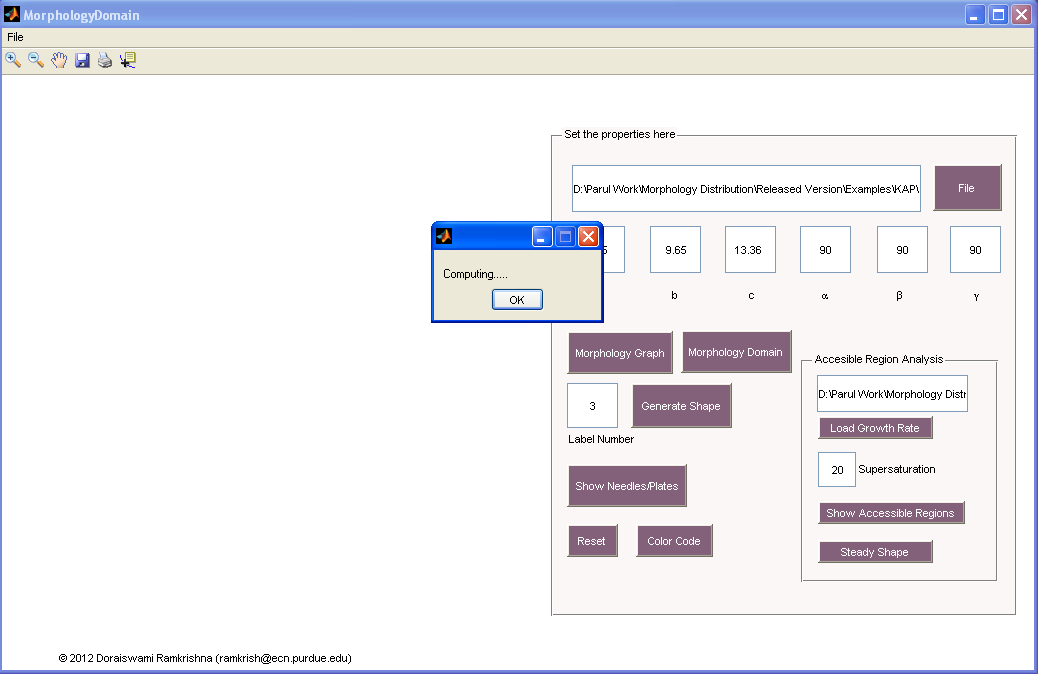
**Figure 10:** Geometric family versus color code information

**Step 7:** For accessible region analysis, firstly select the excel file with the growth rate for the crystal. For this, click on “Load Growth Rate” and then select the file.

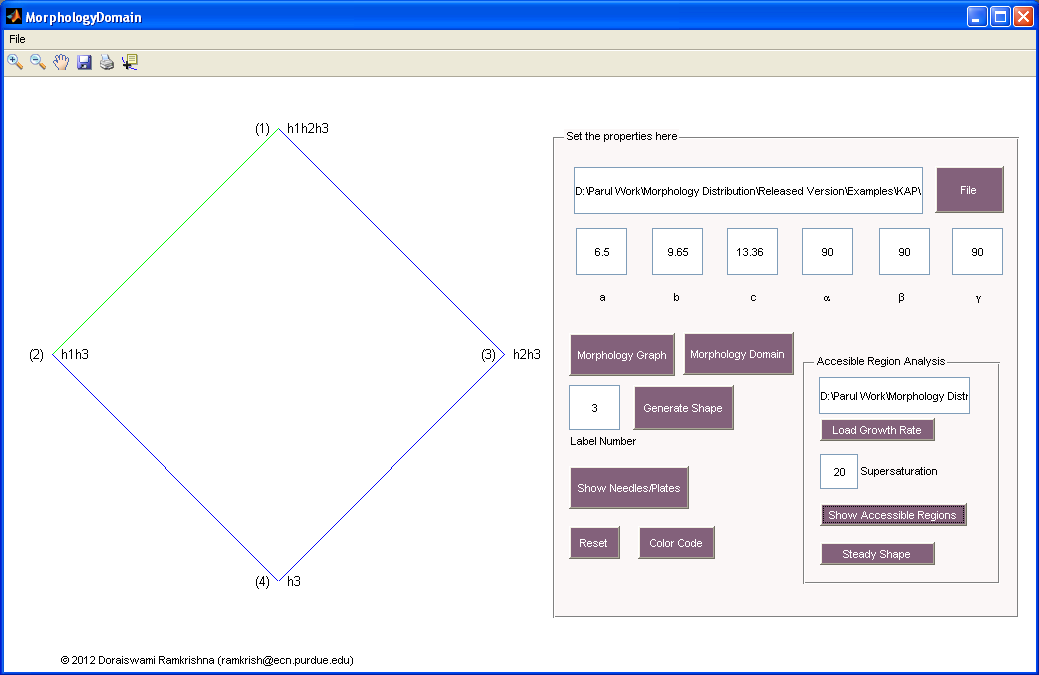


**Figure 11:** Selecting the excel file for growth rate function

**Step 8:** Type the supersaturation value and then click on “Show Accessible Regions”. Accessible regions will be green

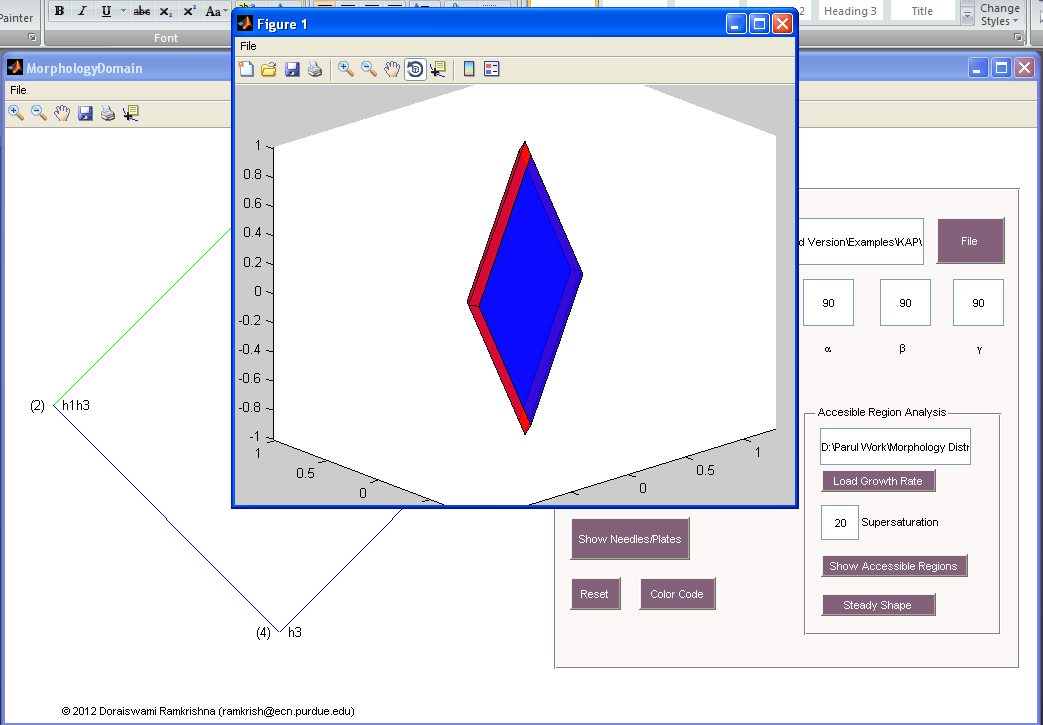


**Figure 12:** Waiting for the plot



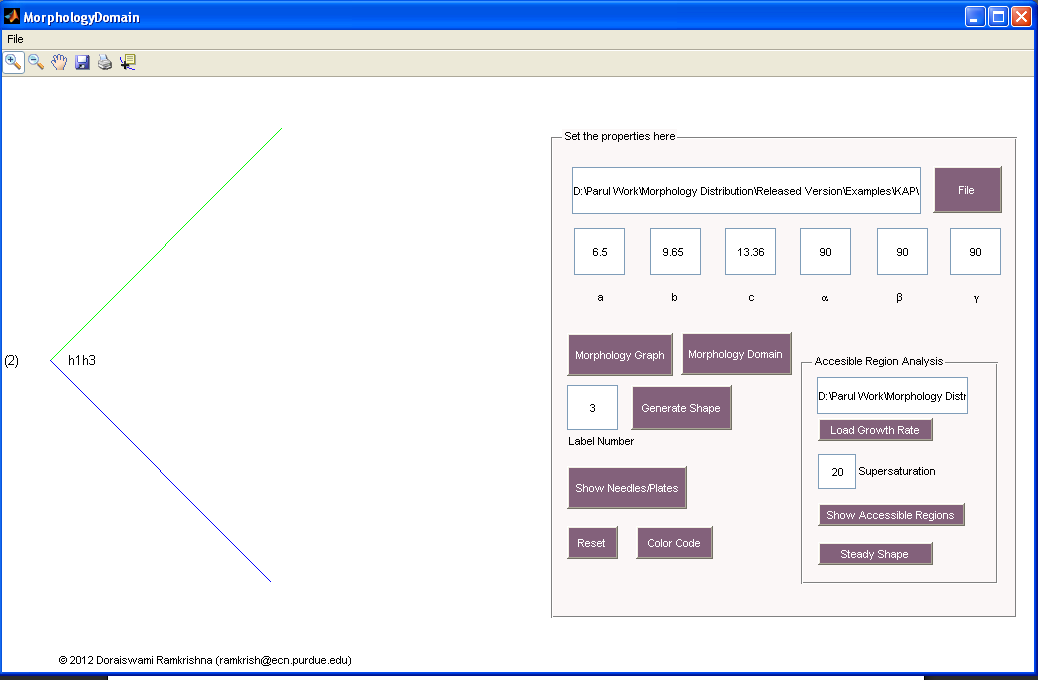
**Figure 13:** Accessible regions plotted green

**Step 9:** To see the steady shape, click on “Steady Shape” button.

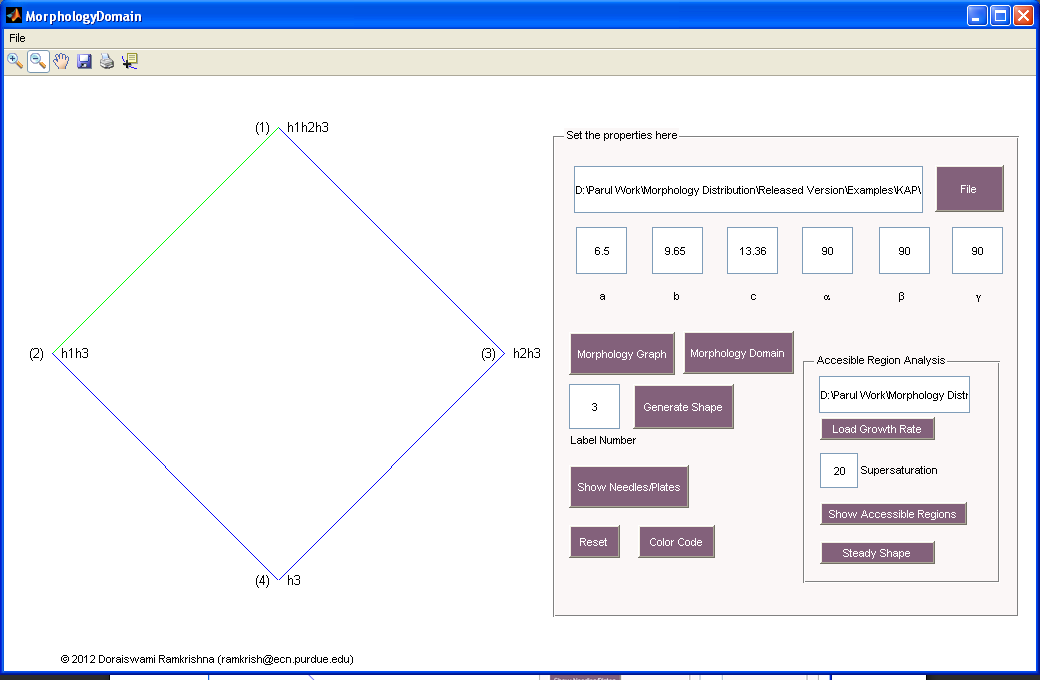


**Figure 14:** Steady shape for the given supersaturation value

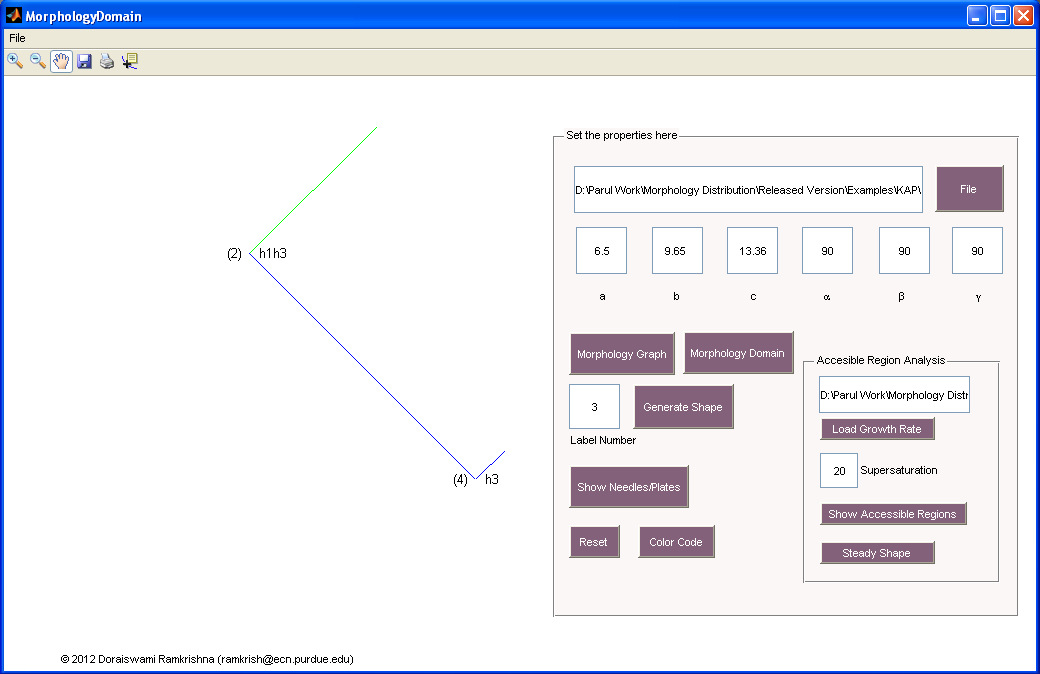
You can zoom in, zoom out and pan the plot image by using the toolbar options. You can also save the figure in any format you want. Note that if you save the figure, the whole window will be saved instead of the plot only. To save, go to file, and then save as.



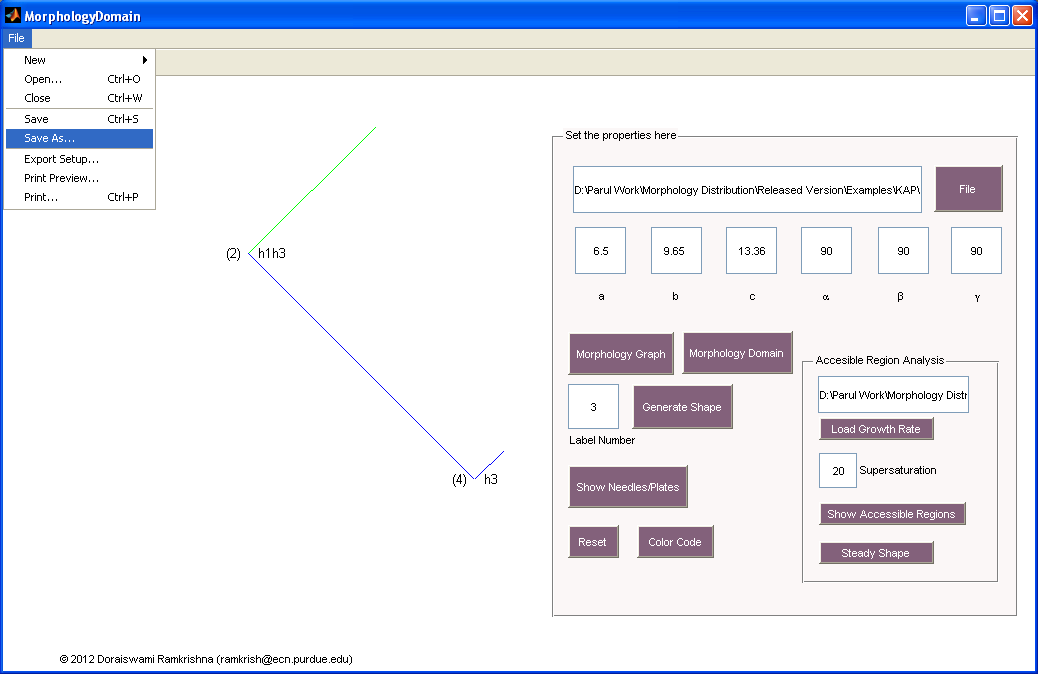
**Figure 15:** Zoomed in image



**Figure 16:** Zoomed out image



**Figure 17:** Panning the image to right



**Figure 18:** Saving the image