

Outer Boundary Profile Code:

Summary: This software takes the eroded boundary images outputted from the previous segmentation step as input. By picking your first and last image to be analyzed, the software lets you examine small subsets of slices from a collection of images describing an entire cell or tissue. The software has two outputs which all plot the intensity of the edge of the cell as a function of angle. There are text file outputs that describe the intensity for all elements of the boundary and their corresponding angle. These can be imported into excel, MatLab or Python. Likewise, there is graphical output that has the intensity of every element on the edge of the cell plotted by angle, along with the moving average.