

Supplementary Info

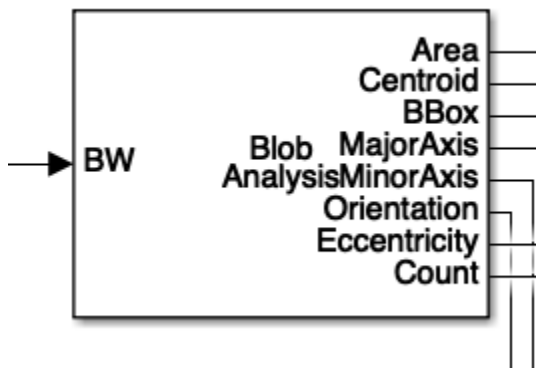
Generally, the toolbox components contain all necessary information for use in the form of info buttons. Additional resources for the use of manual options are contained below.

Manual Thresholding:

<https://imagej.net/plugins/auto-local-threshold>

Adjusting Blob Analysis settings for Cell Analysis:

1. Launch “CellAnalysis.slx” through Simulink
2. Find and double-click the block titled “Blob Analysis”



3. Select the “Blob Properties” tab
4. Adjust values as needed
5. Save changes

OrientationJ:

<http://bigwww.epfl.ch/demo/orientation/>