

Process Description:

This process applies manual or automatic thresholding to every frame of the input movie and then writes the resulting mask as a binary .tif file.

Parameter Descriptions:

Input Channels:

This allows you to select which channels you want to perform shade correction on. This should be applied to all channels that are going to be used for ratioing or bleedthrough correction. Select the channels by clicking on them in the "Available Input Channels" box and then clicking "Select->" to move them to the "Selected Channels" box. You can unselect a channel by clicking the "Delete" button

Use automatic thresholding:

If checked, the process automatically calculate the threshold value based on the image intensity histogram.

Maximum threshold jump:

If this is non-zero, any changes in the auto-selected threshold value greater than this will be suppressed by using the most recent good threshold. That is, if MaxJump is set to 2.0 and the threshold changes by a factor of 2.2 between two consecutive frames, the new threshold will be ignored and the previous threshold used. This option is ignored if the user specifies a threshold.

Threshold value:

This allows you to select a manual value for the thresholding step.

Preview image:

If checked, this will display the result of the thresholding process (using the threshold value above) on the image given in the edit field for the selected channel.

Add:

This allows you to add the threshold value to the list of thresholds. If the list contains only one value, this value is used for all channels. If several values are entered, each element specifies the value to use for a specific channel.