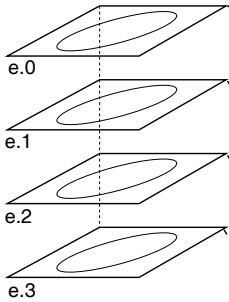


Case 5: Re-masking the Embryo Image

In this case, a new mask needs to be generated from the pixel maximum that more clearly delimits the embryo region. Changing the threshold function from 5 to 10 accomplishes this.

Input:

4-Element Embryo KDF File



1a. Extract Element 0 for viewing and decision.

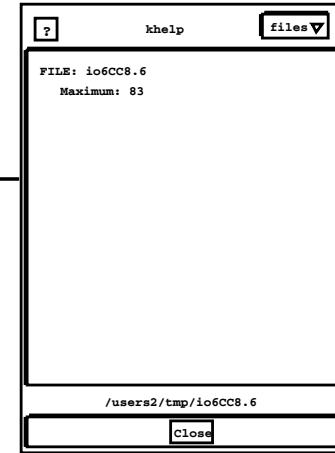
2. Shrink and Display

Initial Embryo Mask, to be discarded



Steps 3,4,5

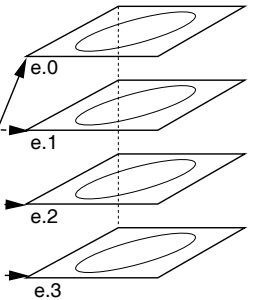
KHOROS text file viewer



- 3. Numerically Label the blobs that compose the binary embryo mask image.
- 4. Statistics: find maximum blob label value, which equals the number of blobs in the image.
- 5. File Viewer: window shows number of blobs composing embryo mask.

Output:

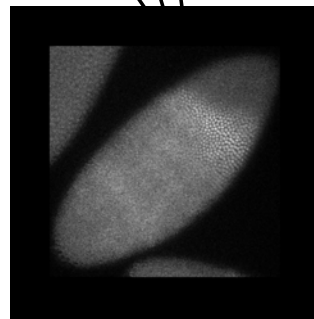
Embryo KDF with new mask



1b. Extract Elements 1,2,3 for processing.

For Steps 6-10, refer to the "Import" workspace guide. However, here Step 7 (Thresholding) uses a cut-off value of 10 instead of 5.

Step 6



Re-Created Pixel Maximum

Steps 7,8,9,10



New Embryo Mask

11. Re-Append four image files along elements axis and export