

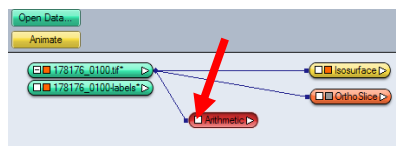
Amira digital dissecting:

1. load data files
2. isosurface for external surface to visualize outline
3. crop region of interest
4. labeling – labelfield:

- a. select different structures of interest and segment them into a category
 - i. external = #0
 - ii. material 1 = #1
 - iii. etc
- b. create labeled data

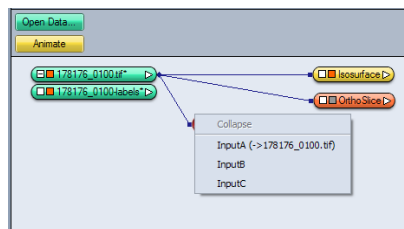
5. right-click original data – compute – arithmetic

- a. Right-click left white box of arithmetic box



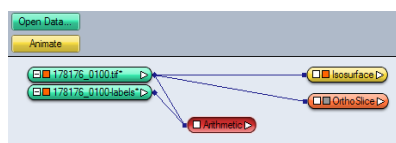
- b.

- c. Click “input B” to select data file where input B must be linked to (“input A” is original dataset, “input” B is based on what selection the new dataset must be created)



- d.

- e. Drag connector to the labels data box

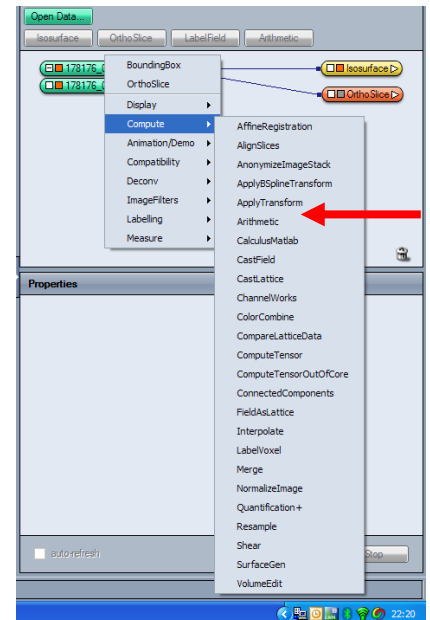


- f.

- g. Type arithmetic expression in “Expr”-box in arithmetic dialog

- i. E.g. when wanting to keep the structures labeled under material 1, then type: ‘a*(b==1)’, meaning: keep as new dataset B everything from dataset A labeled under material 1.
- ii. E.g. when wanting to keep everything but the structures labeled under 1, then type: ‘a*(b!=1)’
- iii. E.g. when wanting to keep everything labeled under material 1 and material 2, then type: ‘a*(b==1 or b==2)’

- h. Click apply-button



- i. You get a 'result'-box, where the selected structures have been kept and the rest is deleted.

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