Published on *cisTEM* (https://cistem.org)

Alignment parameters of particles in 2D class

Thu, 03/05/2020 - 10:39 #1

sscaramuzza

Alignment parameters of particles in 2D class

Hi all,

Is there a way to get the 2D alignment parameters (angle, x/y-shift) of all particles of a selected 2D class at a given iteration of a 2D classification?

Thanks a lot for your help,

sscaramuzza

alexis

Hi there,

Hi there,

As far as I know, the GUI does not have a feature like this. But...

You can do this by looking at the .db file for your project. The results for each classification are stored in a table called (e.g. for classification #20): CLASSIFICATION_RESULT_20. So you could use sqlite3 to open your .db file, then do something like this to get the parameters for particles that went to class #2 of that classification:

sqlite> select POSITION_IN_STACK,PSI,XSHIFT,YSHIFT from CLASSIFICATION_RESULT_20 where BEST_CLASS=2;

Hope this helps get you started. Depending on whether you like bash or python or other, you should be able to adapt this into a script to give you the data in a way that's directly useful to you.

Cheers,

Alexis

Log in or register to post comments

Source URL:https://cistem.org/alignment-parameters-particles-2d-class