

<u>Home</u> > Symmetry expansion

Symmetry expansion

Thu, 04/23/2020 - 16:45 #1

| Hi all, |
|---|
| I was reading the paper 10.1073/pnas.1903562116 and it mentioned using cisTEM to do symmtry expansion and asymetrical unit focus refinement. It also mentioned a program within cisTEM called symmetry_expand_stack_and_par. I am wondering if this program is available? |
| |

| Best, | | | | | |
|-------|--------|-------|-----|--------|--|
| WL | | | | | |
| File: | evnand | stack | and | nar az | |

Symmetry expansion

timgrant

Hi,

Hi,

I have added the current version of the binary to your post. Please bear in mind that it has not been part of an official release yet, and so may be unstable / buggy. If you do try, please report any results / ask questions here.

Thanks,

Tim

Mon, 05/04/2020 - 17:44 (Reply to #2)

ΗΙ

Thank you so much!

Could you explain a little bit of how to use this binary? I unzip it and copy into the folder of cisTEM programs. Is it correct or what should I do with it?

Best,

 WL

Never mind, I am running the

Never mind, I am running the program now.

I have two questions for the program:

- 1. What does least square scaling do?
- 2. If let's say I only want the top right area of the map, do I use 'Center and Crop specific area'?

Thank you!

Sorry about the separated

Sorry about the separated posting.

I have one more question:

When recentering the output stack, what is origin point of the 3D volume? Is it the left back bottom corner so that X Y Z would all be positive number?

timgrant

Hi.

Hi.

- 1. Least squares scaling tries to scale the projections and the data, and can work better if the scaling seems to be off. If your density seems to be beign subtracted ok, you probably don't need this.
- 2. Yes you use center and crop specific area, and yes the X Y Z would all be positive. If you have imod, the co-ordinates it displays should be correct.

Tim

Log in or register to post comments

Source URL: https://cistem.org/symmetry-expansion