1. Software pre-installation requirement
- Linux system
- UCSF Chimera or other software to display 3D map
- Python

2. Input data reqyuirement
- 3D density map/volume
- Tilt angle range and steps
- Molecular mass
- Image apix (A/pixel)
- Mask (that can be generated from the low-pass the 3D map be following instruction)

3. Run the MW job

"usage: ./runMissingWedge.py [input_3Dmap_mrc_no_ext] [3Dmask_mrc_no_ext] [negative_angle] [positive_angle] [iteration_number] [lowpass_var]
#
where:
#
[input_3Dmap_mrc]: the input MRC 3D density map file to do Missing Wedge correction.
[3Dmask_mrc]: the input MRC 3D mask density map, cutoff mask is better.
[negative_angle]: the bottom negative angle for 2D stack.
[positive_angle]: the top positive angle for 2D stack.
[iteration_number]: the number of iterations.
[lowpass_var]: {0/num}, if [lowpass_var]=0, do not add lp; if [lowpass_var]={num}, add cut off lp as {num} pixels.

For example: runMissingWedge_v1p3final.py vol_BP_01 3DMask006-adv -70 70 500 4

Shall you have any question, please contact us

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