

NAME

diff_tomo – Diffraction tomography tool to reconstruct sinograms from a set of diffraction images

SYNOPSIS

diff_tomo -o difftomo.h5 -t 101 -r 181 -c 100 -p conf.poni raw/*.edf

OPTIONS

- h, --help**
show this help message and exit
- o FILE, --out=FILE**
HDF5 File where processed sinogram is saved
- v, --verbose**
switch to verbose/debug mode
- V, --version**
print version of the program and exit
- e EXTENSION, --extension=EXTENSION**
process all files with this extension
- t NTRANS, --nTrans=NTRANS**
number of points in translation
- r NROT, --nRot=NROT**
number of points in rotation
- c NDIFF, --nDiff=NDIFF**
number of points in diffraction powder pattern
- d DARK, --dark=DARK**
list of dark images to average and subtract
- f FLAT, --flat=FLAT**
list of flat images to average and divide
- m MASK, --mask=MASK**
file containing the mask
- p FILE, --poni=FILE**
file containing the diffraction parameter (poni-file)
- O OFFSET, --offset=OFFSET**
do not process the first files
- g, --gpu**
process using OpenCL on GPU