NAME

pyFAI-recalib − Geometry refinement / recalibration tool of PyFAI

SYNOPSIS

pyFAI−recalib [*options*] [*images*]

DESCRIPTION

pyFAI−recalib

An automatic tool for refining the geometry of a detector using a reference sample and a good guess.

OPTIONS

−h, **−−help**
show this help message and exit

−V, **−−version**
print version of the program and quit

−o FILE, **−−out**=*FILE*
Filename where processed image is saved

−v, **−−verbose**
switch to debug mode

−s FILE, **−−spacing**=*FILE*
file containing d−spacing of the reference sample

−d FILE, **−−dark**=*FILE*
list of dark images to average and subtract

−f FILE, **−−flat**=*FILE*
list of flat images to average and divide

−m FILE, **−−mask**=*FILE*
file containing the mask

−p FILE, **−−poni**=*FILE*
file containing the diffraction parameter (poni−file)

−n FILE, **−−npt**=*FILE*
file with datapoints saved

−e ENERGY, **−−energy**=*ENERGY*
energy of the X−Ray beam in keV (hc=12.398keV.A)

−w WAVELENGTH, **−−wavelength**=*WAVELENGTH*
wavelength of the X−Ray beam in Angstrom

−l DISTANCE, **−−distance**=*DISTANCE*
sample−detector distance in millimeter

−−poni1=*PONI1*
poni1 coordinate in meter

−−poni2=*PONI2*
poni2 coordinate in meter

−−rot1=*ROT1*
rot1 in radians

−−rot2=*ROT2*
rot2 in radians

−−rot3=*ROT3*
rot3 in radians