NAME

pyFAI-calib − Geometry calibration tool of PyFAI

SYNOPSIS

pyFAI−calib [*options*] [*images*]

DESCRIPTION

pyFAI−calib

A tool for determining the geometry of a detector using a reference sample.

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/verbose mode

−g GAUSSIAN, **−−gaussian**=*GAUSSIAN*
Size of the gaussian kernel. Size of the gap (in pixels) between two consecutive rings, by default 100 Increase the value if the arc is not complete; decrease the value if arcs are mixed together.

−c, **−−square**
Use square kernel shape for neighbour search instead of diamond shape

−b BACKGROUND, **−−background**=*BACKGROUND*
Automatic background subtraction if no value are provided

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

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

−r, **−−reconstruct**
Reconstruct image where data are masked or <0 (for Pilatus detectors or detectors with modules).

−s SPLINE, **−−spline**=*SPLINE*
spline file describing the detector distortion

−p PIXEL, **−−pixel**=*PIXEL*
size of the pixel in micron

−D DETECTOR_NAME, **−−detector**=*DETECTOR_NAME*
Detector name (instead of pixel size+spline)

−m MASK, **−−mask**=*MASK*
file containing the mask (for image reconstruction)

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