NAME

pyFAI-average − pyFAI-average

SYNOPSIS

pyFAI-average [*options*] [*options*] *-o output.edf file1.edf file2.edf ...*

DESCRIPTION

This tool can be used to average out a set of dark current images using

mean or median filter (along the image stack). One can also reject outliers be specifying a cutoff (remove cosmic rays / zingers from dark)

OPTIONS

−−version
show program’s version number and exit

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

−o OUTPUT, **−−output**=*OUTPUT*
Output/ destination of average image

−m METHOD, **−−method**=*METHOD*
Method used for averaging, can be ’mean’(default) or ’median’, ’min’ or ’max’

−c CUTOFF, **−−cutoff**=*CUTOFF*
Take the mean of the average +/− cutoff * std_dev.

−f FORMAT, **−−format**=*FORMAT*
Output file/image format (by default EDF)

It can also be used to merge many images from the same sample when using a small beam and reduce the spotty−ness of Debye−Sherrer rings. In this case the "max−filter" is usually recommended.