NAME

pyFAI-integrate − Graphical interface for azimuthal integration

DESCRIPTION

usage: pyFAI−integrate [options] file1.edf file2.edf ...

PyFAI−integrate is a graphical interface (based on Python/Qt4) to perform azimuthal integration on a set of files. It exposes most of the important options available within pyFAI and allows you to select a GPU (or an openCL platform) to perform the calculation on.

positional arguments:

FILE Files to be integrated

optional arguments:

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

−V, **−−version**
show program's version number and exit

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

−o OUTPUT, **−−output** OUTPUT
Directory or file where to store the output data

−f FORMAT, **−−format** FORMAT
output data format (can be HDF5)

−s SLOW, **−−slow−motor** SLOW
Dimension of the scan on the slow direction (makes sense only with HDF5)

−r RAPID, **−−fast−motor** RAPID
Dimension of the scan on the fast direction (makes sense only with HDF5)

−−no−gui
Process the dataset without showing the user interface.

−j JSON, **−−json** JSON
Configuration file containing the processing to be done

PyFAI−integrate saves all parameters in a .azimint.json (hidden) file. This JSON file is an ascii file which can be edited and used to configure online data analysis using the LImA plugin of pyFAI. Nota: there is bug in debian6 making the GUI crash (to be fixed inside pyqt) http://bugs.debian.org/cgibin/bugreport.cgi?bug=697348