NAME

pyFAI-benchmark - Evaluate performances of PyFAI

DESCRIPTION

No socket opened for debugging -> please install rfoo usage: benchmark [options]

Benchmark for Azimuthal integration

optional arguments:

-h, --help

show this help message and exit

-v, --version

show program's version number and exit

-d, --debug

switch to verbose/debug mode

-c, --cpu

perform benchmark using OpenCL on the CPU

-g, --gpu

perform benchmark using OpenCL on the GPU

-a, --acc

perform benchmark using OpenCL on the Accelerator (like XeonPhi/MIC)

-s SIZE, --size SIZE

Limit the size of the dataset to X Mpixel images (for computer with limited memory)

-n NUMBER, --number NUMBER

Number of repetition of the test, by default 10

-2d, --2dimention

Benchmark also algorithm for 2D-regrouping

--no-1dimention

Do not benchmark algorithms for 1D-regrouping

-m, --memprof

Perfrom memory profiling (Linux only)

-r REPEAT, --repeat REPEAT

Repeat each benchmark x times to take the best