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