Subject: New package ArrayFire_demo
Posted by koldo on Wed, 30 Dec 2015 17:20:37 GMT
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ArrayFire_demo package includes simple ArrayFire benchmarks and demos.

ArrayFire is a library for fast GPU computing, supporting both Nvidia CUDA and OpenCL devices, and it is open source (BSD 3-clause).

It includes matrix algebra, algorithms, image processing, etc. classes and functions.

You can download ArrayFire sources from GitHub or the binaries from the ArrayFire page. Install is very easy, although in few days I will include instructions.

Benchmarks and demos included in package are:
- Pi: Pi number benchmark
- Matrix: NxN matrix product benchmark
- Vectorize: Different strategies to do operations between vectors
- Demo: Basic matrix algebra demos

For example in my poor Nvidia card, Pi demo works 30 times faster in GPU than in CPU.