

1 Overview

1.1 Location \$(AMDAPPDKSAMPLESROOT)\samples\opencl\cl\app

1.2 How to Run To build samples under Windows:

1. Use Visual Studio VS2008 to open `FFT.sln`.
2. Build the `.sln` file.

See the *Getting Started* guide for how to build samples. You first must compile the sample.

Use the command line to change to the directory where the executable is located. The pre-compiled sample executable is at \$(AMDAPPDKSAMPLESROOT)\samples\opencl\bin\x86\ for 32-bit builds, and \$(AMDAPPDKSAMPLESROOT)\samples\opencl\bin\x86_64\ for 64-bit builds.

Type the following command(s).

1. `FFT` Calculates the Fast Fourier Transform (FFT) of a matrix of size 64x64 with complex elements.
2. `FFT -h` This prints the help file.

1.3 Command Line Options Table 1 lists, and briefly describes, the command line options.

Table 1 Command Line Options

| Short Form | Long Form | Description |
|------------|--------------|---|
| -h | --help | Shows all command options and their respective meaning. |
| | --device | Devices on which the program is to be run. Acceptable values are <code>cpu</code> or <code>gpu</code> . |
| -q | --quiet | Quiet mode. Suppresses all text output. |
| -e | --verify | Verify results against reference implementation. |
| -t | --timing | Print timing. |
| | --dump | Dump binary image for all devices. |
| | --load | Load binary image and execute on device. |
| | --flags | Specify compiler flags to build kernel. |
| -p | --platformId | Select platformId to be used (0 to N-1, where N is the number of available platform). |
| -d | --deviceId | Select deviceId to be used (0 to N-1, where N is the number of available devices). |
| -i | --iterations | Number of iterations for kernel execution. |

Contact

Advanced Micro Devices, Inc.
One AMD Place
P.O. Box 3453
Sunnyvale, CA, 94088-3453
Phone: +1.408.749.4000

For AMD Accelerated Parallel Processing:
URL: developer.amd.com/appsdk
Developing: developer.amd.com/
Support: developer.amd.com/appsdksupport
Forum: developer.amd.com/opencvforum



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