

1 Overview

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

1.2 How to Run 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 default executables are placed in \$(AMDAPPSDKSAMPLESROOT)\samples\opencl\bin\x86 for 32-bit builds and \$(AMDAPPSDKSAMPLESROOT)\samples\opencl\bin\x86_64\ for 64-bit builds.

Type the following command(s).

1. MatrixTranspose
Transforms an arbitrary array of 64.
2. MatrixTranspose -h
This prints the help message.

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 the kernel. |
| -p | --platformId | Select platformId to be used (0 to N-1, where N is the number of available platforms). |
| -d | --deviceId | Select deviceId to be used (0 to N-1, where N is the number of available devices). |
| -x | --width | Width of input matrix. |
| -y | --height | Height of input matrix. |
| -b | --blockSize | Use local memory of dimensions blockSize x blockSize. |
| -i | --iterations | Number of iterations for kernel execution. |

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