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SAXPY can be called the "Hello World" of OpenCL. In the simplest terms, the first OpenCL sample shall compute $A = \alpha * B + C$, where alpha is a constant and A, B, and C are vectors of an arbitrary size n. In linear algebra terms, this operation is called SAXPY (Single precision real Alpha X plus Y).

An example of OpenCL program - OpenCL Programming by Example

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OpenCL Programming Guide 1.2 Examples. This project contains all of the source code to the example programs from the OpenCL Programming Guide. Instructions on checking out the source code and building it on various platforms can be found on the Installation page.

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