CUDA-lab1: device info

In this example session you will launch the deviceQuery program (provided by the CUDA SDK) and try to understand what is displayed.

1. Objectives and learning goals

- Set up the environment for CUDA
- Have an insight into GPGPUs from the technical specifications of the hardware

2. Appropriate environment

After login to the system, please load the appropriate environment module via

- module load cuda
  - to see exactly what a given modulefile will do to your environment, such as what will be added to the PATH, MANPATH, etc. environment variables, type: module show cuda

3. Compilation and Execution

You can build the deviceQuery binary using:

- make
- ./deviceQuery

Try now to understand the information displayed about the GPU card(s).