Recap of Lecture 00

- alpaka’s purpose and features
  - Parallel programming library
  - Abstraction layer
  - Heterogeneous computing

- How to install, test and run alpaka
  - Use git for downloading alpaka and the examples
  - Use CMake >= 3.15 for configuration and building
Announcements

• Introduction of alpaka concepts today

• Special notation:
  • Upper case: “Thing” refers to alpaka’s “thing concept”
  • Lower case: “thing” means ordinary “thing”

• Example: device vs. Device
  • device means a physical device
  • Device refers to alpaka’s device concept

• All of alpaka’s functionality lives in the alpaka namespace
  • using namespace alpaka; is implied on all slides!