

alpaka Parallel Programming – Online Tutorial

Recap of Lecture 00 // Announcements



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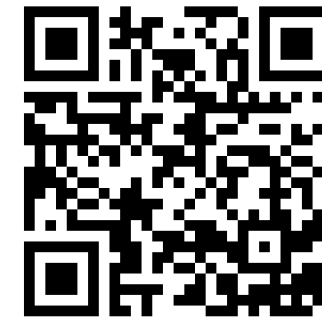
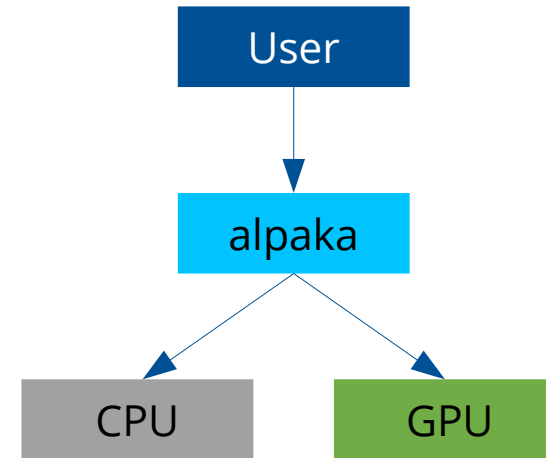
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Recap of Lecture 00

- 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!



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