

alpaka Parallel Programming – Online Tutorial

Recap of Lecture 10 // Announcements



CASUS

CENTER FOR ADVANCED
SYSTEMS UNDERSTANDING

www.casus.science

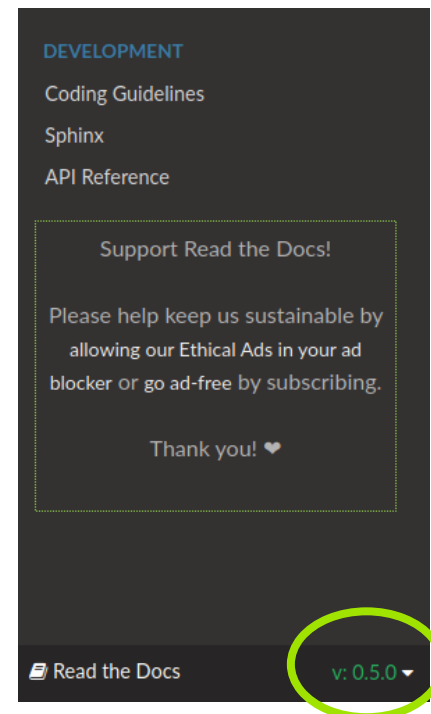


Recap of Lecture 10

- Threads are executed by physical / logical cores
- Thread scheduling order unspecified
- Set of cores: Device
- Devices are attached to one Host
- Threads apply Kernels to data elements
- Number of Threads needs to be adapted to the problem size
- Introduced Thread hierarchy
- Grid consists of all Threads
- Grid is divided into Thread Blocks of equal size

Announcements

- Additional prerequisite for examples: OpenMP 2.x
 - Apple users: <https://github.com/alpaka-group/alpaka/issues/1055>
- <https://alpaka.readthedocs.io>: Choose correct version





CASUS

CENTER FOR ADVANCED
SYSTEMS UNDERSTANDING

www.casus.science