

# alpaka Parallel Programming – Online Tutorial

## Recap of Lecture 20



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# Recap of Lecture 20

- 1D work division
  - Obtaining Thread index from alpaka's API
  - Thread index calculation
- 2D work division
  - Obtaining Thread indices (as vector) from alpaka's API
  - Thread indices calculation
- Computing  $\pi$ 
  - Passing parameters
  - Accessing memory inside the Kernel
  - Device-side math functions
  - Host-side memory management
  - Launching Kernels



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