

Riviera GPU Overview

Ben Blount

Data Science Research Institute

July 2025



COLORADO STATE
UNIVERSITY

GPU vs CPU Compute

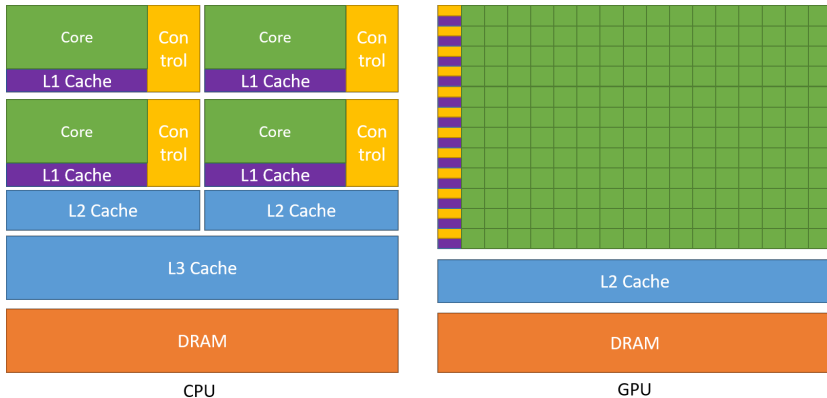


Figure: An example of CPU vs GPU core architecture from *CUDA C++ Programming Guide* [1]

CUDA Overview

References

- [1] “Cuda c++ programming guide,” Nvidia. [Online]. Available: <https://docs.nvidia.com/cuda/cuda-c-programming-guide/index.html#>. (accessed: 07.22.2025).