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Preparing for QUDA 2.0

Wednesday 28 July 2021 13:00 (15 minutes)

Adapting QUDA for the Exascale, and beyond, means being prepared for a diversity of architectures, parallel abstractions, and new programming paradigms. We report on the rewrite of QUDA in preparation of the 2.0 release, which will embrace all of the above while also significantly streamlining the design process of new kernels for new use cases. We do so without compromising performance, or hampering the ability to do target specialization.

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